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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके [Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टो और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस [Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 23rd March 1985

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APPLICATIONS FOR PATENT FILED AT THE HEAD OFFICE 214. ACHARYA JAGADISH BOSE ROAD, CALCUTTA-17

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

14th February, 1985

- 110/Cal/85. Siemens Aktiengesellschaft. Multi-conductor flexible electrical cable.
- 111/Cal 85. Krauss-Maffei Aktiengesellschaft. Device for keeping closed the door of a centrifuge.

 (Convention dated 12th December, 1984) U.K.

15th February, 1985

- 112/Cal/85. Satake Engineering Co., Ltd. Vibratory Grain sorting machine.
- 113/Cal/85. Satake Engineering Co., Ltd. Endless belt assembly,

16th February, 1985

- 114/Cal/85. The Babcock & Wilcox Company. Filter cleaning system for opacity monitor.
- 115/Cal/85. Yuan-Ho Lee. Improvement relating to form set-up.
- 116/Cal/85. Dalmia Institute of Scientific & Industrial Research and Orissa Cement Limited. Method for the manufacture of high alumina gas permeable refractory shaped article;

18th February, 1985

- 117/Cal/85. Dalmia Institute of Scientific & Industrial Research and Orissa Cement Limited. Method for the manufacture of basic gas permeable refractory shaped article;
- 118/Cal/85. Texaco Development Corporation. Synthesis gas generation process with control of ratio of steam to dry gas.

19th February, 1985

- 119/Cal/85. Barnes-Hind, Inc. Hydrophilic polymers and contact lenses made therefrom.
- 120/Cal/85. McDe1mott International, Inc. Weld backup mechanism for internal pipe welding apparatus.
- APPI ICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH MUNICIPAL MARKET BUILDING. HIRD FLOOR, KAROL BAGH, NEW-DELHI-5

28th January, 1985

- 63/Del/85. Brij Kishore Gupta, "Cinema Slide with voice".
- 64/Del/85. Dorr Oliver Incorporated, "Method for oxidation of flue gas desulfurization absorbent and the product produced thereby".
- 65/Del/85. Claude C. Laval. "A self purging separator".

29th January, 1985

- 66/Del/85. Dinesh Chandra Agrawal and others, A process for producing a material which is strong and dense between 1300C and unto around 1900C in air and at all temperatures upto around 1900C in an oxygen deficient atmosphere but which disintegrates in an atmosphere containing oxygen at temperatures at or around 800C and a process of moulding where such material is used'.
- 67/Del/85. Richard P. Loevinger, "Heated railroad tank car".
- 68/Del/85. Westinghouse Brake and Signal Co. Ltd., "Brake control system" (Convention date February 13. 1984 (U.K.).

30th January, 1985

- 69/Del/85. D. N. Gandhi. "A process for the preparation of a beverage".
- 70/Del/85. The Chief Controller Research & Development, Ministry of Defence, "A gel/solidified fuel and to a process for the preparation thereof".
- 71/Del/85. Kapoor Chand Jain, "A process for coating of paper".
- 72/Del/85. Kapoor Chand Jain, "A coated paper".
- 73/Del/85. Kapoor Chand Jain, "A coated paper".
- 74/Del/85. Kingsway Enterprises Pvt. Ltd., "A film strip viewer".
- 75/Del/85. Cement Research Institute of India, "A non portland hydraulic cement and to a process for the manufacture thereof".
- 76/Del/85. Cement Research Institute of India, "A cement composition".
- 77/Del/85. Richard P. Loevinger, "Heated outlet valve for railway tank car".
- 78/Del/85. Vicard S.A., "Process for initiating the reaction of manufacture of synthetic hydrochloric acid".
- 79/Del/85. Hawker Siddeley Power Transformers Ltd., "Improvements in or relating to electrical induction apparatus". (Convention date February 2, 1984) (U.K.).

31st January, 1985

80/Del/85. Ultraseal International Ltd., "Apparatus for the impregnation of porous articles". (Convention date February 2, 1984) (U.K.).

2nd February, 1985

81/Del/85. UOP INC., "Serial flow continuous separation process".

4th February, 1985

- 82/Del/85. John Lysaght International Holdings S.A., "Lead zinc wet-flux galvanizing process",
- 83/Del/85. BP Chemicals Ltd., "Transesterification process". (Convention date February 4, 1984) (U.K.).
- 84/Del/85. Babcock Power Ltd., "Improvements in or relating to the monitoring of burner operation".

 5th February, 1985
- 85/Del/85. Facet Enterprises, Inc., "Wet motor gerotor fuel nump with fuel flow through the bearing for cooling thereof".
- 86/Del/85. Facet Enterprises, Inc., "Wet motor gerotor fuel pump".
- 87/Del/85. Facet Enterprises, Inc., "Wet motor gerotor fuel pump with vapor vent valve and improved flow through the armature".
- 88/Del/85. Facet Enterprises, Inc., "Wet motor gerotor fuel pump with self aligning bearing".
- 89/Del/85. Facet Enterprises, Inc., "Vent relief valve for a wet motor gerotor fuel pump.
- 90/Del/85. Stein Industrie, "A device for protecting steel sheets against erosion corrosion on contact with steam".
- 91/Del/85. UOP Inc., "Isomerization of cresols".
- 92/Del/85. The Chief Controller, Research & Development, Ministry of Defence, "High energy gel/slurry explosive compositions and process for preparing same".
- 93/Da/85 I C. Khanna, "A flushing device",

6th February, 1985

- 94/Del/85. Diego Duse, "Bottle grade polyester resins reinforced with glass fibers and containers made of such resins". (Convention date May 1, 1984) (U.K.).
- 95/Del/85. Kabushiki Kaisha Koto Kogei, "Cutting machine for preparing models for spectacle lenses".

7th February, 1985

- 96/Del/85. Esac S.A, "Procedure and installation for the control of the frequency of an electrical current".
- 97/Del/85. S.A. Chaudronnerie Viry, *Procedure for the realization of vertical constructions".
- 98/Del/85. Arthur Britton, "Manufacture of flexible sheet material". (Convention dated February 10, 1984) (U K.).
- 99/Del/85. David Nicholls, "Coir matting drainage tray".

- 100 /Del /85. Council of Scientific and Industrial Research, "A process for the synthesis of substituted S-Triazino-(2'.1' : 6.1)-pyrido-(3, 4-b)-indoles".
- 101/Del/85. Council of Scientific and Industrial Research, "Novel technique for integrating load cells with rotary wagon tippler to function as electronic weighing system".
- 102/Del/85. Council of Scientific and Industrial Research. "An improved process for blind backfiling of unapproachable underground mine workings".
- 103/Del/85. Council of Scientific and Industrial Research, "Microrotary pump".
- 104/Del/85. Council of Scientific and Industrial Research, "A process for the production of stablized coal water slurry".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATES, HIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-400 013

16-1-1985

18/BOM/85	K. T. Sidhwani, B./T. Sidhwani C.T. Sidhwani & Anand, T. Sidhwanil	A Flour Mill for Kitchen.					
19/BOM/85	Hindustan Lever Limited	A process for the preparation of surface active fatty acid isethionates.					
20/BOM/85	Dr. S. Arunkumar.	HARINET, for integrated flow control and routing in Computer Communication networks.					
19-1-1985							
21/BOM/85	Swiss Aluminium Limited	Molten Meta Filter and method of filtering thereby.					
21-1-1985							
22/BOM/85	Hoechst India Limited	A novel antibiotic Mulundocandin.					
23/BOM/85	Krishna Kumar Rai	A novel Sheave Unit					
22-1-1985							
24/BOM/85	K. R. Dholaria 🔻	A water lifting device operated by steam.					
	28- 1 -1985						
25/BOM/85	Hindustan Lever Limited	Sulphonation of Fatty Acid Esters.					
	39-1-1985						
26/BOM/85	V. K. Shridh	Screw Gauge Handle with a Ratchet Device.					
27/BOM/85	Pratibha Industries	A reinforced cement concrete load bearing frame and cover assembly for an access hole such as manhole in a road surface and a mathod of casting the same.					

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

4th February, 1985

- 91/Mas/85. Mitsuboshi Belting Ltd.. Method of fabricating double-toothed belts.
- 92/Mas/85. Jerry Meyer Kaufman. Catheter locating de-
- 93/Mas/85. Societe des Produits Nestle S.A. Drink composition and process for the manufacture thereof.

5th February, 1985

94/Mas/85. Rhone-Poulenc Specialites Chimiques. Process for preparing alkyl alkoxyalkylidene malonates.

6th February, 1985

- 95/Mas/85. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Open-end rotor spinning apparatus.
- 96/Mas/85. Steam Vacuum Extraction Limited. Improvement relating to vacuum cleaning apparatus. (February 16, 1984; Great Britain).
- 97/Mas/85. BBC Brown, Boveri & Company Limited, Highpower electron valve.
- 98/Mas/85. Union Carbide Corporation. Process and apparatus for ammonia synthesis gas production.

7th February, 1985

- 99/Mas/85, Lucas Industries Public Limited Company, Brake Actuator, (February 9, 1984; United Kingdom).
- 100/Mas/85. Maschinenfabrik Rieter AG. Orafting mechanism for spinning machines.
- 101/Mas/85. Maschinenfabrik Rieter AG. Method for removing a blockage in a falsetwist spinning unit.
- 102/Mas/85. Allied Corpo tion of Columbia Road and Park Avenue. A coaxial connector.
- 103/Mas/85. Societe Nationale Elf Aquataine (Production).

 An apparatus for producing geophysical measurements in a bore hole.
- 104/Mas/85. Vernon & Company (Pulp Products) Limited. Improvements in or relating to moulding. (February 10, 1984; United Lingdom).

8th February, 1985

- 105/Mas/85. Lucas ladustries Public Limited Company.

 Manufacture of armature winding conductors.

 (February 18, 1984; Great Britain).
- 106/Mas/85. Shell Internationale Research Maatschappij BV. process for the preparation of hydrocarbons
- 107/Mas/85. Shell Internationale Research Maatschappij B.V. process for the preparation of hydrocarbons.
- 108/Mas/85. Habley Medical Technology, Incorporated.
 Elastometic prosthetic sphincter.

ALTERATION OF DATE

155940. Ante dated to 27th October, 1979. (497/Del/83)

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CLAS5: $32F_3(4)$.

155863

Int. Cl.: C07e 47,00.

"AN ELECTROCHEMICAL PROCESS FOR THE PRE-PARATION OF BENZALDEHYDE FROM BENZYL AL-COHOL".

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, KAFI MARG, NEW DELHI-110 001. INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI GF 1860).

Inventors: HANDADY VFNKATAKRISHNA UDUPA. KODFTHOOR SHRIVARA UDUFA AND DINESH CHANDRA TRIVEDI.

Application for patent No. 265/Det/81 filed on 30th April, 1981.

Complete specification left on 29th July, 1982. Appropria e Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

An electro chemical process for the preparation of benza dehyde from benzyl alcohol comprising oxidising benzyl alcohol in an alkaline bath in an electrolytic cell having a nickel oxy-hydroxide arose and a stainless steel cathode-

(Provisional Specification 5 mages)

(Complete Specification 9 rages)

CLASS: 47C, 11, F

155864

Int. Ct. . C10b 3/00.

"A DEVICE FOR DEUITING AND DEWATERING OF OIL AGGLOMERATED CLEAN COAL".

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESFARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1960).

Inventors: HARI SADAN ROY BARDHAN, SIRIPURAPU KONDALA RAO, DINESH CHANDRA MITRA, DEBA PRASAD MAG AND KRISHNA RAJA,

Application for patent No. 289/DEL/81 filed on 8th May, 1981

Complete spreiheafien on 4th August, 1982.

Appropriate Office for opposition proceedings (Rule 4, Padens Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A device for deoiling and wedatering of oil agglom-rated clean coal comprising a cylindrical housing mounted at a desired inclination to the horizontal for a rotary hollow shaft with spiral baffles and inlet and outlet means for the agglomerates, driving means to rotate the said shaft at a desired speed to move the agglomerates form the said inlet to the outlet therefor, means to effect indirect heating of the agglomerates within the housing and means to collect and separate oil and water from vapour mixtures from the housing for

(Provisional specification 3 page.)

Compl specn 9 pages

Dg 1 sheet

CLAS3 170 B+D 155865

C11 d 1/00 3/00 Int Cl

DETERGENT FORMULATION FOR WASHING **FABRICS**

Applicants HINDUSTAN LEVER LIMITED, 165/166, BACKBAY RECLAMATION BOMBAY 400 020, MAHA RASHTRA, INDIA

Inventors (1) WILLIAM I REDERICK SOUTAR NEIL-LIE, (2) EUAN STUART REID

Application No 60/Bom/1982 filed March 17 19 22

UK Convention priority date 23-3 1981

Appropriate Office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, Bombay

A detergent formulation comprising from 5% to 60% by weight of a detergent active material from 0% to 60% by weight of a known detergent builder material characterised in that it contains from 0.50% to 5% by weight of an erylamide polymer or acrylamide acrylic acid copolymer with a molecular weight of nt least 2 million having a Flowtime Increase Value (FIV) of at least 50% using the test described cribed

Compl specn 16 pages

Drgs Nil

Ind CLASS 17C & 83 A₁

155866

C11 C 3/12. Int Cl

PROCESS FOR THE SELECTIVE HYDROGENATION OF FATTY ACID DERIVATIVES

Applicants HINDUSTAN LLVER LIMITED BACKBAY RECLAMATION BOMBAY-400 020 RASHTRA, INDIA 165/166, M 'HA

WIEBF SCHOKKER Inventor

Application No 96/Bom/1982 inted April 15, 1982

Appropriate Office for opposition proceedings (Rule 4 Patents Rule 1972) Patent Office Branch Bombay

9 Claims

A process for a selective hydrogenation of unsaturated fatty acid derivatives having fatty and derivatives containing both fatty acid morenes, I wing 14 two double bonds which comprises contacting the said fatty acid derivative with hydrogen at a temperature in the range of -20°C to 100°C in the presence of ammonia and a hydrogenation catalyst comprising at least one principal metal selected from the group consisting of palladium platinum rhodium and undium characterized by the improvement wherein the ammonia used is present at a level of at least 1.8 Mol pur litre and not more than 8 Mol per litre with respect to the fatty acid derivate e the said catalyst being ortionally prefriend, with dry ammonia prior to hydrogenation so as to produce a fatty acid herivative having an SII value as herein defined of at least 10. process for a selective hydrogenation of unsiturated fatty

Compl specn 17 pages

Drgs Nil

32 E, 40-B CLASS

155867

Int Cl B01 J 11/00, C 03 f 1/00

PROCISS FOR THE PELPARATION OF CAFOR THE POLYMERIZATION ALPHA OLEFINS CATALYST

Applicant MONTEDISON S. G. OF 31 FORO BUONAPARTE, MILAN, ITALY

Inventors 1 SANDRO PARODI 2 ROBERTO NOCCI, UMBERTO GIANNINI, 4 PII-R CAMILIO BARBE, UMBERTO SCATA

Application No 893/Cal/81 file i August 11, 1301

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

8 Claims

Process for the preparation of a catalyst for the polymerization of alpha olefins comprising reacting in a known manner the following components

- (a) an Al alkyl compound such as herein described
- (b) a silicon compound such as herein described,
- (c) a component comprising an anhydrous Mg dihalide on said Mg dihalide a halogenated titanium compound such as herein de cribed and an electron donor compound of the type herein described

Compl specn 25 pages

Drgs Nil

155868

CLASS 27-C, 71 G, 152-E

C08 h 17/00, C09 k 3/00 Int Cl

CAPSULES CONTAINING SFLF-SETTING COMPOSI-TIONS

FOSROC INTERNATIONAL LIMITID, OF 36 QUEEN ANNE'S GATE, 1 ONDON, SWIH 9AR, ENG LAND

Inventors 1 IFFFREY GLORGE HAIGH, 2 LESLIE WILLIAM CHERITON

Application No 909/Cal/81 filed August 13, 1981

Convention dated 13th August, 1980 (8026423), U K 8th April, 1981 (8111031), U K

Appropriate Office for opposition proceedings (Rule 4, Patent, Rules, 1972) Patent Office, Calcutta

10 Claims

A capsule containing in separate compartments the inter-A capsule containing in separate compartments the interactive components of a self-setting composition, e.g. a resin and a hardener therefor at a weight ratio of about 2 to 50. 1 at least one of the components comprising a flammable substance such as exemplified hereinbefore, characterised in that sufficient water, dependent on the type of flammable substance is present to suppress flame when the capsule is exposed to heat, and that the water is present partly in the form of free water and partly in the form of a hydrated salt, the free water being present in one or each of the interactive the free water being present in one or each of the interactive components in a concentration below the level at which it will substantially weaken the strength of the said composition or substantially affect the viscosity thereof

Compl succn 18 pages

Drgs Nil

130 I CLASS

155869

C22 b 13/04 11/04 Int Cl

A PROCESS FOR THE RECOVERY OF LEAD, SILVER AND GOLD FROM THE IRON-BEARING RESIDUE OF AN ELECTROLYTIC ZINC PROCESS

OUTOKUMPU OY, OF SF 83500, OUTO-Applicant KUMPU I INLAND

Inventors 1 JUSSI KALEVI RASTAS 2 KAARLO MATTI IUHANI SAARI 3 VAINO VILIO KEIKKI HIN-IIKKA 4 JAAKKO OLAVI I FPPINFN, 5 AIMO ENSIO JARVINEN

Application No. 1068/Cal/81 filed September 25, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for the recovery of lead, silver and gold from the iron-bearing residue of an electrolytic zinc process, comprising first sulfidizing the ferritic leach residue selectively in order to convert at least the lead and silver substantially quantitatively to sulfides in a closed chamber by feeding into the slurry of the iron-bearing residue an amount of sulfide which is equivalent with regard to the amount of lead, silver and gold, in the presence of finely-divided nuclei of lead sulfide and silver sulfide in order to prevent lead sulfide and silver sulfide from precipitating on the surface of the compounds of lead and silver present in the ferritic leach residue; and then froth-flotating in a slurry of the sulfidized ferritic leach residue in the presence of a sulfidic collector agent in order to froth-flotate the sulfides and to separate them from the ferritic leach residue.

Compl. specn. 25 pages.

Drgs. 1 sheet.

CLASS: 130-D.

155870

Int. Cl.: C22 b 5/12, 5/18, 23/02.

METHOD AND APPARATUS FOR SELECTIVE REDUCTION OF NICKEL OXIDE OR THE OXIDES OF NICKEL AND COBALD PRESENT IN A NICKEL BEARING ORE.

Applicant: MIDREX CORPORATION, AT ONE NCNB PLAZA, CHARLOTTF, NORTH CAROLINA 28280-8071, U.S.A.

Inventor: 1. WILLIAM ARTHUR AHRENDT, 2. DAVID CHARLES MEISSNER, 3. CHARLES WALTER SANZENBACHER, 4. JOHN COMBS SCARLETT.

Application No. 1376/Cal/81 filed December 3, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

6 Claims

A method of selective reduction of nickel osice or the osides of nickel and cobalt (present in a nickel bearing ore) in the presence of iron oxide comprising charging iron oxide and the nickel bearing ore in agglomerated or lump form to a continuous shaft furnace to form a gravitationally descending burden therein, passing a reducing gas such as herein before defined through the burden in counter-flow relation to it, removing reacted reducing gas from said shaft, furnace, cooling and cleaning said reacted gas, dividing said cooled. cleaned reacted gas into a first stream and a second stream;

burning a fossil fuel in a combustion chamber external to said furnace, mixing said first stream of cooled, cleaned reacted gas with the gases in said combustion chamber to form said reducing gas having a reductant to oxident ratio adequate to reduce nickel oxide and/or cobalt oxide as desired but insufficient to reduce iron oxide;

introducing said reducing gas into said shaft furnace; and

introducing a cooling gas into a cooling zone in the lower portion of said shaft furnace, removing a substantial portion of said cooling gas from said shaft furnace above the location of cooling gas introduction and below the location of reducing gas introduction, cooling and scrubbing said removed portion of said cooling gas to form a cleaned cooled cooling gas, mixing said cleaned cooled cooling gas with said second stream of cooled cleaned reacted gas and introducing the resulting gas mixture into said cooling zone, thereby causing the unremoved portion of said cooling gas to flow upwardly beyond the elevation of cooling gas removal, to be heated by the burden and to thereafter act as a reducing gas.

Compl. specn. 12 pages.

Drgs. 2 sheets.

CLASS: 116-B.

155871

Int. Cl.: B65 b 35/02 B65 g 21/22. 39/18, 57/22, 57/32.

A CONVEYOR DEVICE FOR A STORAGE PLANT.

Applicants: (1) C.M.F. COSTRUZIONI METALLISHE FINSIDER S.p.A., OF GUASTIC CE DI LIVORNO, 57110. FTALY: AND (2) FATA EUROPEAN GROUP S.p.A., OF STRADE STATALE n. 24 KM 12, 10044 PIANEZZA TORINO, ITALY.

Inventors: J. GIOVANNI CHIANTELLA, 2. RENATO LISSONI, 3. CRISTOPH GLOOR, 4. FRANCO BIESUZ.

Application No. 234/Cal/82 filed March 1, 1982,

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

2. Claims

A conveyor device for a storage plant of at least two floors, each of having at least one longitudinal lane, and storehouse rooms located at the two sides of the longitudinal lane transversely of the latter for holding load units, which by means of a lower truck are movable in the storehouse rooms by a bearing truck, equipped to carry the lower truck, are movable in the longitudinal lanes, and by at least one hoist or elevator, which is prearranged to receive bearing trucks with lower trucks, are vertically mevable, wherein the lower truck 23 for laying and holding load units 40, 41, 42, 43, 44 has at least two translation platforms 27 and 28, operable independently of each other.

Compl. speen. 17 pages.

Drgs, 4 sheets.

CLASS: 133-A.

155872

Int. Cl.: G05 b 15/02,

PULSED THYRISTOR TRIGGER CONTROL CIRCUIT.

Applicant: NATIONAL AERONAUTICS AND SPACE ADMINISTRATION NASA HEADQUARTERS, WASHINGTON, D. C. 20546, U.S.A.

Inventor: 1. FRANK JOSEPH NOLA,

Application No. 413/Cal/82 filed April 14, 1982.

Appropriate Office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A thyristor control system for an alternating current input to a load which produces a difference in phase between the load current and yoltage waveforms and comprising a thyristor for controlling the current flow through the load, characterized by :

pulse producing means (68, 74, 76) for producing firing pulses for firing said thyristor, means for deriving a control signal for said thyristor based on the phase difference between the load current and voltage, and means responsive to said control signal for inhibiting production of a firing pulse for firing said thyristor until a time when no current is flowing from the previous half cycle of the alternating current input.

Compl. specn. 11 pages.

Drgs. 3 sheets.

CLASS: 61-G & H.

155873

Int. Cl.: C10 f 5/04.

DEVICE FOR DRYING COAL.

Applicant: VOEST-ALPINE AKTIENGESELLSCHAFT, OF A-1011 VIENNA. FRIEDRICHSTRASSE 4, AUSTRIA.

Inventors: 1. PETFR HERBFR, 2. PAVLE IVANOVSKI, 3 WILFRIED ZIFRI, 4. FRNST OBERNDORFER.

Application No. 477/Cal/82 filed April 29, 1982.

Appropriate Office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A device for drying coal, particularly lignite, using steam and/or hot water, the coal being preheated by means of steam and/or hot water, thereupon damped and finally pressure-released, the said device comprising several damping vessels which are connectable with each other to form a group, and which are connectable through volves with distributing conduits carrying live steam, wet steam overflowing from other vessels, and hot water coming from supplementary vessels, the said device being characterized in that the distributing conduits (18, 19, 20) of each group are connectable beyond their group with the distributing conduit of at least one other group or, at least, with one additional damping vessel (17).

Compl. specn 11 pages.

Drgs. 4 sheets.

CLASS: 107-H.

155874

Int. Cl.: G02 b 35/00,

INJECTOR-PUMP FOR DIESEL ENGINES.

Applicant: CIPA COSTRUZIONE INIETTORI POMPE ACCESSORI S.p.A., OF VIA G.C PUECHER, 6 PADERNO DUGNANO (PROVINCE OF MILANO), ITALY.

Inventor: 1. CARLO ROSASTRI.

Application No. 496/Cal/82 filed May 4, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An injector pump for Diesel engines, characterized in that it comprises a body (1) having in its interior an injector (3) and an injector pump (4) arranged near said injector (3), said injector (3) being associable with an engine cylinder and in communication with said pump (4) through a fuel delivery conduit (5), the plunger (20) of said pump (4) being driven through a vertical rod (31) actuated by the engine camshaft (32).

Compl. specn. 11 pages.

Drgs. 2 sheets.

CLASS: 145-B & D.

155875

Int, Cl.: B65 h 25/26.

DEVICE FOR WIDTHWISE CONTROL OF PAPER WEB MATERIAL.

Applicant: BELOIT CORPORATION, BELOIT, WISCONSIN 53511, U.S.A.

Inventors: 1. KENNETH GORDON FRYE, 2. DONAI D CARMINE GANGEMI.

Application No. 576/Cal/82 filed May 21, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

Device for widthwise control of paper web material and adapted to be operatively disposed between web material source and other processing equipment comprising.

a bar structure (19) having an elongate resiliently bendable mounting beam assembly (62), and limited wrap area devices (61) carried by said beam assembly (62), and adapted to have web material run thereon;

means (71) for effecting resilient primary bow bending adjustment of said beam assembly (62) in respect to the web material so that said wrap area devices (61) will have a widthwise controlling effect on the running web material;

said wrap area devices (61) comprising a set of side by side and cooperatively related wrap area members (61), characterized by means (99) mounting said wrap are members (61) on said beam assembly (62) for independent and individual adjustment of any of said wrap are members (61) relative to one another and to said beam assembly (62) to effect secondary bow adjustment of said wrap area members (61) incrementally at any of said members (61) without altering said primary bow adjustment.

Compl. specn. 24 pages.

Drgs. 2 sheets.

CLASS: 172-C1.

155876

Int. Cl. D01 g 15/00.

A CARD-CLOTHING ASSEMBLY AND A METHOD OF PRODUCING A CARD-CLOTHING ASSEMBLY.

Applicant: CARCLO ENGINEERING GROUP P: L.C.. OF ACRE STREET, LINDLEY, HUDDERSFIELD, WEST YORKSHIRF, ENGLAND.

Inventors: 1. KEITH GRIMSHAW, 2. KENNETH LYDALL.

Application No. 676/Cal/82 filed June 11, 1982.

Convention dated 13th June 1981 (18267) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

Compl. specn. 15 pages.

Drgs. 1 sheet.

CLASS: 172-E.

155877

Int. Cl.: B65 h 54/00, 59/00.

APPARATUS FOR USE IN THE WITHDRAWAL OF YARN FROM A YARN PACKAGE.

Applicant: PALITEX PROJECT-COMPANY GMBH., OF WEESERWEG 8, 4150 KREFELD 1, WEST GERMANY.

Inventor: 1. DIETER SCHACHT.

Application No. 621/Cal/82 filed May 31, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

Apparatus for use in the withdrawal of yarn from a yarn package or from several coaxially arranged yarn packages in the axial direction of the package or packages comprising a comb-like braking ring disposed about a receiving member concentric with the package axis, the braking ring having inwardly inclined teeth directed in a forward direction towards an annular peripheral braking surface of said receiving member, which teeth are also inclined or skewed relative to the package axis so that each generatix line of said braking surface is overlapped by at least two teeth, the yarn or yarns being drawn off being arranged to pass between the braking ring and said braking surface.

Compl. specn. 16 pages.

Drgs. 3 sheets.

CLASS: 108C3 & 9D.

155878

Int. Cl.: B22d 11/00.

"PROCESS AND MACHINE FOR BOW TYPE CONTINUOUS CASTING".

Applicant: NIPPON STFFL CORPORATION. OF 6-3, OTFMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN, A JAPANESE CORPORATION.

Inventors · YASUO SUZUKI, SHUJI NAGATA, TAKA-SHIRO NONAKA, & TADASHI MURAKAMI,

Application for patent No 169/Del/81 filed on 25th March. 1981

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005

12 Claims

A bow type continuous casting process using a curved mold, wherein molten steel is continuously cast into the curved mold to obtain a curved strand having a thickness of not less than 200 mm, and the curved strand in guided by a means tor supporting and guiding and is then subjected to at least two multi-reint straightening by a straightening means, and said curved strand is subjected to secondary cooling, within said means for supporting and guiding, by a secondary cooling, characterized in that the straightening of the strand is carried out, during passage of the strand over a distance between the mold and horizontal section of the strand not more than 4.9 m, while the strand has a solidified shell of not more than 60 mm.

Compl. speen, 33 pages,

Dros. 4 sheets.

CLASS: 146 C.

155879

Int Cl.: G01p 3/70.

"MAGNETO-OPTICAL PHASE-MODULATING DE-VICES"

Applicant: BRITISH AEROSPACE PLC., A BRITISH COMPANY OF 100 PALL MALL. LONDON SW1Y 5HR, ENGLAND.

Inventor: WALTER SCOTT CARTER

Application for pitent No. 213/Del/81 filed on 10th April.

Convention date 29th April, 1980/80 14087 (GB.).

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

13 Claims

A magneto-optical phase-modulating device comprising a magneto-optic layer forming part of an optical stack and upon which, in use, light is incident and to which is applied a reversible magnetic field characterised in that the device further comprises a layer of magnetic material adjacent the magnetooptic layer, and at least two flat, low inductance conductors connected in series and disposed one on either side of the layer of magnetic material, supply means to apply an electrical current to the conductors, and switch means to reverse the current so supplied, in use the conductors having the electric current applied thereto to magnetise the layer of magnetic material, which magnetisation is switchable between one direction and the orposite direction by reversing the current in the conductors and which induces an external field of a strength to magnetically affect the magneto-optic layer such that the consequent magnetisation thereof is also switched between said one direction and the opposite direction as the field associated with the layer of magnetic material is switched. Drgs. 3 sheets. Compl. specn. 12 pages.

155880 CLASS: 146C.

Int. Cl.: G01c_19/00.

"RING LASER GYROSCOPES".

Applicant: BRITISH AEROSPACE PLC., A COMPANY OF 100 PALL MALL, LONDON SWIY 5HR. FNGLAND.

Inventor: GRAHAM JOHN SIMMS.

Application for patent No 214/Del/81 filed on 10th April, 1981

Convention date 9th May 1980/80 15477 (G.B.).

Appropriate Office for opposition proceedings Patents Rules, 1972) Patent Office Branch, New Delhi-110005

9 Claims

A ring laser gyroscope having a plurality of sensitive axes and hence a plurality of cavities the cavities lying in mutu-

ally orthogonal planes at right angles to the respective sensitive axes an each cavity having three or more corners arranged so that it last one corner coincides with a corner of inother cavity, whereby the cavities are interconnected the gyroscope further comprising a plurality of mirrors deposed respectively at the coinciding corners and any remaining corners of the constant of the number of mirrors is less than the constant of t there he total combet of a not corners, the mirrors at the coinciding cavities being oriented such that the normal to cach of these mir ors less than the coinciding cavities being oriented such that the normal to cach of these mir ors less than the coinciding cavities are considered. in the place of each cavity it serves and bisects the associated corners of those cavities.

Compl. spren. 12 pages

Drgs. 1 sheet.

CLASS: 87F.

155881

Int. Cl.: A47d 13/10.

"AUTOMATIC BABY SWING".

Applicant: PANKAI IMN, AN INDIAN CITIZEN, RE-SIDING AT 2 TRIBUNE COLONY, AMBALA CANTT-133 001, HARYANA, INDIA.

Inventor . PANKAI JAIN

Application for Patent No. 216/Del/81 filed on 10th April, 1981.

Cornel specification left on 28th June, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Pranch, New Delhi-110 005.

4 Claims

An outomatic baby swing comprising a closed coil hetical spring mounted on a sleeve, one end of said sleeve accommodating a ratchet and the other end being pivoted to a beam for oscillation of a seat suspended from said beam, said tatchet being kered to a rod passing through said sleeve, said nod being connected to a stopping means, a ratchet lock being fitted to said beam on 90° phase to a natchet releaser, said lock being adapted to engage the teeth of said ratchet.

Provisional Specification 5 pages.

155882

Compl. speen 7 pages.

CLASS: 50E2.

Int. Cl.: A25b 5/00.

"AN IMPROVED COMPRESSION REFRIGERATION UNIT".

Aprlicant: MONSEOL LIMITED, OF CORSO SAN GOT; ARDO, 12-6830 CHIASO (CH), SWITZERLAND, A SWISS COMPANY.

friente: : FGIDIC CFOLOTIO

Application for Patent No. 219/Del/81 filed on 13th April. 1981.

Appropriate Office for apposition proceedings (Rule 4, Patents Rules, 1972) Patent Offic Branch, New Delhi-110 005.

5 Claims

An improved compression infrigurator unit, comprising a compression unit for compressing gaseous refrigerant, a con-denser for cooling and condensing said refrigerant, an evapo-tator for the evaporation of expanded refrigerant and an expansion device positioned before the evaporator and crising an expansion valve of varying section controlled by a level indicator which detects the liquid refrigerant level of a contains in which the refrigerant coming from said evaporator is contained the configurations from said evaporations in with liquid refrigerant outflowing the condenser, characterized in that the expension device also comprises a fixed injector nozzle parall 1 to the expension valve of varying section, that the heat exchanges for the liquid infrigerant outflowing from the condenser is disposed inside the container. and hat eaid container also comprises an outlet for the re-covery of the labricating oil which outlet is connected to the oil comp of the compressor. Completeen 12 pages

Drgs. 2 sheets

CLASS: 131C.

155883

Int. Cl.: E21d 15/00.

A CLOSED CIRCUIT HYDRAULIC PROP FOR THE SUPPORT OF MINE ROOFS WITH AN IMPROVED RELIEF VALVE MECHANISM".

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: AMAL KUMAR DATTA, MANINDRA NATH TARAFDER, PRITHWIRAJ ROY AND SUBRENDHU BAGCHI.

Application for patent No. 223/Del/81 filed on 14th April, 1981

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A closed circuit hydraulic prop for the support of mine roofs comprising a pressure cylinder (2) in the form of an outer tube mounted on a base plate, an inner tube (1), sliding within the said pressure cylinder, a reservoir for hydraulic fluid and fitted with a head plate at its top, a piston head (3) at its bottom and incorporating within its body a setting pump mechanism (4), a release valve (6) and a relief valve for the hydraulic fluid to raise or lower the prop in relation to the mine roof, wherein the relief valve consists of a conical valve scat (17) held by a piece of cylindrical valve (19) body movable within a cage guide (21) against a spring (22) mechanism to provide an outlet for the hydraulic fluid from the pressure cylinder to the inner tube reservoir under yielding load of the prop.

Compl. speen. 7 pages.

Drgs. 3 sheets.

CLASS: 195B, C, 205 G.

155884

Int. Cl.: B60c 29/00, F16k 7/02.

"AN IMPROVED PRESSURE CONTROL DEVICE FOR AT LEAST TWO PRESSURE VESSELS".

Applicant: BOA A. G. LUZERN, OF KELLERSTRASSE 45, CH-6002, LUCERNE, SWITZERLAND, A SWISS COMPANY.

Inventors: BEAT MATTMANN, MARCO DREYER. WILHEIM MARTI.

Application for Patent No 225/DED/81 filed on 14th April, 1981.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A pressure control device for at least first and second pressure vessels which comprises a cylindrical fluid chamber mounted upon a housing block, said housing block being provided with first and second connection channels communicating with said fluid chamber and with said first and second pressure vessels respectively, said housing block also having third and fourth connection channels block also having third and fourth connection channels included the shut-off valve means in each of said connection channels shut-off valve means in each of said connection channels including a first valve means having a normally biassed closed position shutting-off flow from said first pressure vessel to said fluid chamber, a second valve means having a normally biassed closed position shutting-off flow from said second pressure vessel to said fluid chamber, a third valve means having a normally biassed closed position shutting-off flow from the atmosphere to said fluid chamber, a fourth valve means having a normally biassed closed position shutting-off flow from said fluid chamber to the atmosphere; pressure responsive means carried by said housing block and having a control chamber communicating with said fluid chamber; valve control means operatively connected to said pressure 2—507 GI/84

responsive means including a clindrical rod element and a cylindrical rod portion with a hollow bore extending into said fluid chamber, first means on said rod portion intermediate its ends adapted to permit the first and second valve means to be disposed in their normally biassed closed positions, second means on said rod portion adapted to move the first and second valve means to open positions, third means on said rod portion adapted to move said third valve means to an open position, said rod element extending coaxially through the bore of said rod portion and being smaller in diameter than the hollow bore to define a cylindrical clearance between the rod element and the bore whereby slight lateral movement of the rod element in the bore results in a self-centering arrangement therefor, said rod element havings its ends protruding out of the bore, a coil spring mounted in tension between one end of said rod element and said pressure responsive means to effect movement of said rod element in response to pressure variations sensed by said pressure responsive means, an mounting structure between an opposite end of said rod element and said housing block; said pressure responsive means having a normal operating pressure condition where the second means on said rod portion retain the first and second valve means in their oren positions so that pressure in the first and second pressure vessels is equalized, said pressure responsive means causing the first means on said rod portion to move said first and second valve means to closed positions in response to a drop in pressure in said fluid chamber, said pressure responsive means causing the third means on said rod portion to move said third valve means to an open position whereby said fluid chamber and said control chamber are vented to the atmosphere increasing pressure differential across said first and second valve means to further assure closure thereof, and said fourth valve means defining an inlet for pressurizing the pressure control device from a source of pressurized fluid.

Compl. specn. 23 pages.

Drgs. 4 sheets.

CLASS: 32-E; 152-E.

155885

Int. Cl. : © 08 f 37/00.

LINEAR LOW DENSITY ETHYLENE HYDEROCAR-BON COPOLYMER CONTAINING COMPOSITION FOR EXTRUSION COATING.

Applicant: 1. UNION CARBIDE CORPORATION, AT 270 PARK AVENUF. NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors: 1. STURAT JACOB KURTZ, 2. HOWARD GRANT APGAR, IR.

Application No. 1324/Cal/81 filed November 25, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

A process for the extrusion coating of a substrate with a high pressure, low density polyethlene homopolymer or copolymer extrusion coating composition and applying the extruded coating to the substrate at a temperature of at least 450°F. wherein the coating composition is fed into an extruder and converted into an extrudate which is drawn down onto the substrate to coat said substrate, said coating being essentially free of pinholes and having a thickness below 0.5 mil, characterized in that:

said coating composition comprises 20 to 98 weight percent of said high pressure, low density polyethylene homopolymer and/or copolymer, said homopolymer and copolymer having a density up to 0.93 and 2 to 80 weight percent of a linear, low density ethylene hydrocarbon copolymer, said copolymer having a density of 0.912 to 0.940; and that said extruder is operated at coating sneeds greater than 600 feet per minute to apply raid coating to said substrate, in the absence of neck-in greater than 3 inches.

Compl. specn. 35 pages,

Drgs. 2 sheets.

CLASS: 93.

155886

Int. Cl.: B01j 2/00.

"JET LAYER GRANULATOR".

Applicant: TOYO ENGINEERING CORPORATION, A JAPANESF CHEMICAL CORPORATION, OF 2-5, KASA-UMIGASEKI 3-CHOMF, CHIYODA-KU, TOKYO, JAPAN AND MITSUI TOATSU CHEMICALS, INC., A JAPANESI CHEMICAL CORPORATION, OF 2-5, KASAUMIGASEKI 3-CHOMF, CHIYODA-KU, TOKYO JAPAN.

Inventors: TAKASHI NAGAHAMA, NOBUYUKI MATSUMOTO, MASAKI NARUO, SUSUMU NIOH, HIROSHI HIRAYAMA, TFTSUZO HONDA, YOSHINDRI SATO, KENJI TOYAMA AND GISABURO SHIOTU.

Application for Patent No. 228/Del/81 filed on 16th April, 1001

Appropriate office for opposition proceedings (Rule 4) Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A jet layer granulator comprising an upper portion consisting of a substantially vertical cylindrical body and a lower portion including a bottom of a reverse frustoconical shape. at least one gas jetting opening formed on the lower end of the reverse frustoconical bottom and at least one liquid jetting opening for jetting a liquid upward, which is formed in the vicinity of the gas jetting opening, so that particles fed into the granulator are kept in a fluidized state by a gas stream fed under pressure through a gas feed pipe, a liquid substance is sprayed to the particles being fluidized to cause the liquid substance to adhere to the particles and the particles are coarsened by solidification of the adhering liquid substance, to obtain a product having a desirable particle size distribution, said jet laver granulator being characterized in that all the liquid letting openings are located in a passage for a gas jetted from the cas jetting opening and each liquid jetting opening is located at a nosition higher than the gas jetting opening by a vertical distance the same as or smaller than the inner diameter of the gas jetting opening.

Compl. srecn. 55 pages.

Drgs. 13 sheets.

CLASS: $32F_2(.)$, 40B.

155887

Int. C1.: C07c 85/04.

"A PROCESS FOR THE PREPARATION OF TETRA-n-BUTYL AMMONIUM IODIDE".

OF SCIENTIFIC AND INDUS-COUNCII ADDISON : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA, AN INDIAN REGISTERED RODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: ARVIND KUMAR, KANTI AGARWAI AND AKHIL CHANDRA ROY. KANTI PRAKASH

Application for Patent No. 232/Del/81 filed on 16th April.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Potent Office Branch, New Delhi-110005

5 Claims

Process for the preparation of tetra-n-butyl ammonium iodide comprising reacting n-butyl iodide with di-n-butyl amine at 75° to 100°C in the presence of an aqueous alkali in a concentration of 20-30% solution.

(Complete Specification 5 rages).

CLASS: 148 M

155888

Int. Cl.: G03g 15/00,

"DEVELOPER UNIT FOR DRY TONER FLECTROPHO-TOOR APPLIC COPIER"

Applicant - GESTETNER MANUFACTURING LIMITED, A PRITISH COMPANY OF FAWLEY ROAD, TOTTENHAM, LONDON, N17 9LT, FNGLAND.

Inventor: JOSEPH WILLIAM DAINTREY.

Aprlication for Patent No. 233/DEL/1981 filed on 18th April, 1981.

Convention date 2nd May 1980/80 14768/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Pacents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A magnetic brush monocomponent developer unit comprising a magnetic roller having several magnetic poles distributed ing a magnetic roller naving several magnetic poles distributed around its axis; a cylindrical support for a rotating layer of toner concentric with said roller; a doctor blade positioned adjacent the cylindrical support for rendering the rotating layer uniform; and toner-responsive means comprising (a) at least one coil mounted on the doctor blade on that side which the rotating layer of toner approaches in use of the doctor blade on that side which the rotating layer of toner approaches in use of the intersected by the moving magnetic developer unit, so as to be intersected by the moving magnetic field of the said poles of the magnetic roller when the roller is rotating in use of the developer unit, and positioned such that the strength of the field induced in the coil by the fields of the poles of the magnetic roller will depend upon the amount of toner held back by the doctor blade, and (b) means responsive to the field intersecting said coil for controlling supply of toner to said cylindrical support.

Compl. specn. 18 pages.

Drgs. 3 sheets.

CLASS: 98H, 99E,

155889

Int. Cl.: A47j 27/00, F24j 3/02.

"DOMESTIC SOLAR COOKER".

Apolicant: HARI DUTTA GUPTA, AN INDIAN, OF 765 O.T.C. RANI ROAD, UDAIPUR-313001, RAIASTHAN.

Inventor: HARI DUTTA GUPTA.

Application for Patent No. 235/Del/81 filed on 20th April, 1981.

Complete Specification left on 11th December, 1981.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

16 Claims

A domestic solar cooker comprising a cooking trough which has an open top, and inside walls whereof are treated to absorb heat from solar radiation while the outside whereof is insulated against transmission of the absorbed heat; a reflector hood adjustably mounted on top of the said cooking trough, said reflector hood having a plurality of reflectors arranged in such geometrical design as to concentrate sun rays into the cooking trough, and being provided with a sun dial to ensure correct orientation of the cooker towards the sun from time to time; and a supporting frame for the cooking trough and the reflector hood, said supporting frame having means to cause and adjust horizontal and/or vertical movement and position of the cooking trough and/or the reflector hood according to requirement,

(Provisional Specification 2 pages).

Compl. specn. 11 pages.

Drgs. 3 sheets.

CLASS: 42A₃.

155890

Int. Cl.: A24c 5/14.

"MACHINE FOR PRODUCING TWO CONTINUOUS CIGARETTE RODS"

Applicant: G.D. SOCIFTA' PFR AZIONI, OF VIA POM-PONIA 10 40100 BOLOGNA, ITALY, AN ITALIAN COM-PANY.

Inventor: ENZO SERAGNOII.

Application for Patent No. 240/Del/81 filed on 21st April.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

22 Claims

A machine for simultaneously producing two continuous cigarette rods, in which a continuous flow of shredded tobacco particles is fed to the lower end of a rising duct comprising at least two rising channels each terminating below a suction conveyer mobile in a determined direction of movement, characterised in that said duct is composed of an upper portion constituted by said channels and a lower portion constituted by single conduit, said single conduit constituting said lower portion being connected to both of said channels of the upper portion, said channels being at least partly side-byside in a direction transverse to said direction of movement.

Compl. specn. 17 pages.

Drgs. 3 sheets.

CLASS: 172C₅.

155891

Int. Cl.: D01g 15/40.

THE CI. . DOIS 15/40.

"FEED DEVICE FOR FEEDING FIBRE MATERIAL TO THE TAKER-IN ROLLER OF A CARD".

Applicant : HOLLINGSWORTH GmbH, OF 7265 NEUBULACH 5, WEST GERMANY, A GERMAN COMPANY.

Inventor: WALTER LOFFLER.

Application for Patent No. 242/Del/81 filed on 21st April, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

Feed device for feeding fibre material to the taker-in roller of a card, with a feed table for said fibre material so that said feed table interacts with a drawing-in roller, characterised by an intermediate roller which is provided with a sawtooth wire clothing and which is located between the drawing-in roller and the taker-in roller and is driven in such a way that the upper peripheral region of the intermediate roller moves in the direction of the taker-in roller, by at least one carding plate which is located at the upper peripheral region of the intermediate roller and which interacts with the latter, and by a dirt-separating device located behind the carding plate.

Compl. specn. 9 pages.

Drgs. 2 sheets.

CLASS: 32B.

155892

Int. Cl.: C07c 1/00, 3/00, 5/00; C07c 15/00.

"PROCESS FOR THE CATALYTIC CONVERSION OF ALKYLAROMATIC HYDROCARBONS INTO PARAXY-LENE".

Applicants: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-10001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: PAUL RASTNASAMY, SUNNETA BALWANT KULKARNI, BELLAPRAGADA SESHARIGI RAO, ARVIND NARAYAN KOTASTHANE, ASHA JEEVAN CHANDWADKAR, SHIVANAND JANARDHAN KULKARNI A8ND SOORYAKANT GANESH HEDGE.

Application for Patent No. 290/Del/81 filed on 8th May, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A process for the catalytic conversion of alkylaromatic hydrocarbons into paraxylene comprises contacting the alkylaromatic hydrocarbons in a vapour phase with a catalyst composite material consisting of amorphous and crystalline alumina, silica and aluminosilicates, said catalyst having a sodium oxide to aluminium oxide molar ratio of at least

0.05 but not more than 0.3 said crystalline aluminosilicate having a silica to alumina ratio by weight of at least 25 but not more than 100, said amorphous aluminosilicate having a silica to alumina ratio by weight of at least 5 but not more than 200, said crystalline aluminosilicate having combined therewith between 0.01 and 10 per cent by weight of an oxide of nickel at a temperature in the range of 300° to 500°C and at a pressure in the range of 1 to 20 atmosphere.

(Complete Specification 8 pages).

CLASS: 40B.

155893

Int. Class: B01j 11/00.

'PROCESS FOR THE PREPARATION OF A CATALY-TIC COMPOSITE MATERIAL".

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: SUNEETA BALWANT KULKARNI, PAUL RATNASAMY, VASUDEO PANDORANG SHIRALKAR, IKKANDATH BALAKRISHNAN AND CHAMPALAL VAGATAVARMAL KAVEDIA,

Application for Patent No. 291/Del/81 filed on 8th May, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for the preparation of a catalyst composite material consisting of mixtuers of amorphous and crystalline alumina, silica and alumina silicates comprises forming a gel from a solution containing oxides of sodium, aluminina and silicon, sulphuric acid, water and a bromine salt of an ammonium compound of formula $R^1 \times R^2$ y N + where R^1 and R^2 are alkyl radical like ethyl, propyl or butyl and wherein the alkyl radicals represented by R^1 are not be same as that of R^1 and wherein the values of x and y vary between 1 and 3 and are not same but the sum of values of x and y equals, 4. heating the resultant gel at 100 to 180°C for 2 to 15 days, filtering, washing, drying and calcining the resultant solid product to recover NH3, Co2 and H₂O and treating the same by ion exchange means with a salt of ammonia to obtain a molar ratio of sodium oxide to aluminium oxide in a range of 0.05 to 0.3.

Complete specification 17 pages.

CLASS: 49H.

155894

Int. Cl.: A 47; — 27/09.

Title: IMPROVEMENTS IN OR RELATING TO VENT WEIGHTS OF PRESSURE COOKERS.

Applicants: PRESSURE COOKERS & APPLIANCES LTD., UNITED INDIA BUILDING, PHEROZESHAH MEHTA ROAD, BOMBAY-400 001, MAHARASHTRA, INDIA.

Inventor: NARANAMMAL PURAM SANKARAN SUBRAMANIAN.

Application No.: 71/Bom/1982 filed March 25, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 claims

An improved vent weight tor pressure cookers comprising a body in the shape of the frustum of a cone having a straight axial bore, the diameter of which is slightly larger than the diameter of the enlarged upper portion of the vent tube by 0.5 to 0.9 mm characterized in that a circumferential undercut is formed in the bore near the lower end of the body of the vent weight.

Comp. specn. 8 pages. Drg 1 sheet.

CLASS: 98H.

155895.

Int. Class: G05 d 23/00.

THFRMOSTAT

Applicant & the true Inventor: YOGENDRA JAIKISHANDAS PATEL, OF EEE CEE & CO., 1, ANANT INDUSTRIAL ESTATE, OPP. COMET CHEMICAL INDUSTRIES, RAKHIAL, AHMEDABAD-380 023, GUJARAT, INDIA.

Application No. 237/Bom/1982 filed Sep. 13, 1982.

Complete specification left after provisional Oct 10, 1983.

Appropriate office for opposition norceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 claims

A thermostat comprising a thermally responsive element and one or more electrical contact (s) which open (s) and close (s) one or more circuit (s) in response to changes in temperature surrounding the said element, characterised in that said element is constituted by a bulb containing a liquid which is in communication through a capillary tube with a diaphragm such that change in temperature sensed by the said element in relation to a desired temperature causes expansion and contraction of the liquid, and thereby produces a working stroke at the diaphragm, which is adapted to be positioned at predetermined position corresponding to the said desired temperature, said working stroke of the diaphragm actuating a snap-action switch constituting the said tlectrical contact(s), and that the liquid selected has very low coefficient of expansion/contraction.

Comp. specn. 8 pages. Drgs. nil.

Provisional specification 6 pages, Drg. 1 sheet.

CLASS: 195 C. 155896

Int. Cl.: F 17c-13/00.

Title: AN ADAPTER FUR GAS CYLINDER VALVES.

Applicant & the True & First Inventor: CHARLES ALBERT MACMULL, 143 ATUR TERRACES, 8-9 CUFFE PARADE, BOMBAY-400 005, INDIA.

Application No.: 308/Bom/1982 Nov. 12 1982.

Appropriate office for opposition porceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 claims

An adapter for connecting a valve of the type hereinbefore described fitted on a liquified petorleum gas cylinder to a gas pipe or line through a pigtail having a Male European Cylinder Valve fitting, comprising an inner stationary sleeve adapted to be fitted on the body of the valve, an outer sleeve surrounding the inner sleeve and adapted to be moved vertically up or down along the inner sleeve and to be turned or partly rotated around the inner sleeve and locked therewith, a helical spring between the said two sleeves, locking pins provided on the inner sleeve and adapted to be forced into an undercut groove on the valve body by a skirt at the lower end of the outer sleeve, a plunger formed integral with the outer sleeve and having holes at its lower end for permitting flow of gas from the valve, a deactivating pin within the plunger adapted to depress a valve operating pin, a non-return valve including a seal of rubber or like resilient material adapted to close the upper end of the passage in the plunger, an inner plunger within the said plunger adapted to press on the seal by an additional spring and a threaded outlet fitted with a member having a Male European Cylinder Valve fitting.

Comp. specn. 9 pages, Drg. 1 sheet.

CLASS: 61-A. 155897.

Int. Cl. D 01 b 1/48; F 26 b 13/00.

PROCESS AND APPARATUS FOR DRYING FIBROUS MATERIAL.

Applicant: KARRER SYSTEM AG, OF ROTHFLUB STRASSE 75, 8702 ZOLLIKON-ZURICH, SWITZERLAND.

Inventors: 1. FRIEDRICH WILHELM JOHANN KARRER. 2. PER GUSTAF MELLIGREN.

Application No. 2172/Cal 76 filed December 8, 1976.

Convention dated 15th December 1975 (51340/75) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 claims

A process of drying fibrous material, in which the said material is arranged in the path of flow of a gaseous drying medium, inside a container forming part of a closed system for the circulation of the drying medium, wherein the drying medium become being caused to flow through the fibrous material is heated by compression.

Compl. specn. 11 pages. Drg. 1 sheet.

CLASS: 40-B.

155898.

Int. Cl. B 01 i 11/00.

A PROCESS FOR THE OXIDATION OF MERCAPTANS.

Applicant · UOP INC. AT TEN UOP PLAZA-ALGONGUIN AND MT. PROSPECT ROADS. DES PLAINES, ILLINOIS, U.S.A.

Inventor 1. WALTER MARK DOUGLAS.

Application No. 183/Cal/77 filed February 9, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 claims

A process for the oxidation of mercaptans with oxygen or vyech-containing gas in the presence of metal phthalocyanine catalyst, said catalyst prepared by reacting a 4-sulfonthalic acid compound with a metal salt, such as herein described an ammonium donor, such as herein described and compound selected from the group of benzene-1, 2-idicarboxylic acid and derivatives thereof, such as herein described in aqueous solution by heating to 250° to 325°C, for ½ to 10 hours.

Compl. specn. 25 pages. Drgs. nil.

CLASS: 39-N; 144-E₆.

155899.

Int. Cl. C 09 b 47/04.

PROCESS FOR THE PREPARATION OF COPPER PHTHALOCYANINE.

Applicant : BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. HEINZ-EWALD BAURECHT, 2. REINHOLD HORBLE, 3. GERD MULLER.

Application No. 197/Cal/77 filed February 10, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

Process for the preparation of copper phthalocyanine by the baking process, characterised in that the reaction product formed, at 130-300°C, from optionally substituted phthalic anhydride, reaction products of optionally substituted phthalic anhydride with ammonia, or the dehydration products thereof, urea and, optionally, a catalyst is reacted with a copper salt and, optionally, a catalyst at temperaures of 150-350°C, with the proviso that the catalyst is added either during the preparation of the starting material or during the reaction with the copper salt.

Compl. specn. 15 pages. Drgs. 1 sheet.

CLASS: 32-B; Int. Cl. C 07 c 5/18.

155900.

ALKYLAROMATIC HYDROCARBON DEHYDROGE-NATION PROCESS.

Applicant . UOP INC. AT TEN UOP PLAZA, QUIN AND MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, U.S.A.

Inventor: 1. KENNETH DOUGLAS UITTI.

Application No. 233/Cal/77 filed February, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 claims

A process for the dehydrogenation of an alkylaromatic hydorcarbon such as herein described which comprises in cooperative combination the steps of:

- (a) admixing a feed stream comprising the alkylaromatic hydrocarbon with steam and contacting the resulting admixture with a dehydrogenation catalyst such as herein described within a reaction zone maintained at dehydrogenation conditions such as herein described to form an effluent stream comprising on all supports the described and steam. prising an alkenylaromatic hydrocarbon and steam;
- (b) passing the effluent stream into a phase separation zone and forming from it a hydrocarbonaceous liquid phase and an aqueous liquid phase comprising the alkenylaromatic hydrocarbons;
- (c) passing a first water stream comprising at least a portion of the aqueous liquid phase into a liquidliquid extraction zone and removing in any known manner substantially all of the alkenylaromatic hydrocarbon from the first water stream by contact with a solvent stream such as herein described thereby forming a second water stream which is substantially free of the alkenylaromatic hydrocarbon; and,
- (d) passing at least a portion of the second water stream into a steam generation zone to form steam and feeding the steam into the reaction zone.

Compl. specn. 26 pages.

Drg. 1 sheet.

CLASS: 32-B; 40-B.

155901.

Int. Cl. C 10 g 11/00; B 91 j 11/00, 11/06.

A PROCESS FOR THE HYDROCRACKING OF A HYDROCARBON OIL.

Applicant: UOP INC. AT TEN UOP PLAZA-ALGON-QUIN AND MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, U.S.A.

Inventors : 1. STANLEY ARTHUR GEMBICKI, 2. JOHN IVOR HAMMERMAN.

Application No. 263/Cal/77 filed February 22, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 claims

A process for the hydrocarbon oil under hydrocracking contacting the hydrocarbon oil under hydrocracking conditions at a maximum temperature of from about 200°F to about 900°F, and a pressure of from about 400 to 5000 psig with a hydrocracking catalyst prepared by a method comprising impregnating a silica-alumina carrier material with an aqueous solution of a nickel salt and a tungsten salt, the concentration of the salts in the aqueous solution being selected to deposit on the carrier material an atomic ratio of selected to deposit on the carrier material an atomic ratio of nickel to nickel plus tungsten of about 0.1 to about 0.3.

Compl. specn. 16 pages.

Drg. 1 sheet.

CLASS: 32-C; 32-F₃a

155902

Int. Cl. C 07 c 69/92.

PROCESS FOR THE PREPARATION OF POLYHYDRIC PHENOL DICARBOXYLATE-CARBONATE COESTERS. Applicant: ADEKA ARGUS CHEMICAL COMPANY LIMITED, OF 1498 SHIRAHATA, URAWA CITY, SAITAMA PREFECTURE, JAPAN.

Inventors: 1. WILLIAM EDWARD LEISTNER, 2. MOTONOBU MINAGAWA, 3. YUTAKA NAKAHARA, 4. TOHRU HARUNA.

Application No. 375/Cal/77 filed March 14, 1977.

Convention date 9th November 1976 (46518/76) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 claims

A process for the preparation of a polyhydric phenol dicarboxylate-carbonate coester having a molecular weight of from 700 to about 10,000 in which a polyhydric phenol having 2 to 3 phenolic hydroxyl groups and 1 to 3 benzenoid rings is reacted with a carbonylating agent such as herein described and an aliphatic dicarboxylic acid compound having from 4 to 10 carbon atoms and not more than the thioather sulphyr stem the molecular reprostricts of the arbony. thioether sulphur atom, the molar proportions of carbony-lating agent to aliphatic dicarboxylic acid compound being in the range from 19: 1 to 1: 19.

Compl. specn. 53 pages.

Drg. 1 sheef.

CLASS: 32-F₉ b; 55-D₉.

155903.

Int. Cl. C 07 d 91/00; A 01 n 9/00.

PROCESS FOR THE MANUFACTURE OF HERBICIDAILY ACTIVE 2-(DIMETHYLCARBAMOYLIMINO)-BENZTHIAZOLIN-3-IDE SALTS.

Applicant: SCHERING AKTIENGESELLSCHAFT, OF BERLIN AND BERGKAMEN, 1 BERLIN 65, MILLERSTRABE 170/178, FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. DR. LUDWIG NUBLEIN, 2. DR. FRIEDRICH ARNDT.

Application No. 449/Cal/77 filed March 25, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

A process for the manufacture of a 2- (dimethylcarbamoy-limino)-benzthiazolin-3-ide salt of the general formula I shown in the accompanying drawings

in which B represent a monovalent metal equivalent wherein 1- (benzthiazol-2-yl)-3, 3, dimethyl urea of the formula IV

si reacted in equimolor proportions with a metal compound of the general formula III

in which B has the meanings given above and Y(—) represents hydride. a dydroxide a lower alcoholate or an amide anion at a temperature between 0°C and 120°C.

Compl. specn. 19 Pages.

Drgs. 2 sheet.

CLASS 32-F3 a

155904

Int Cl C 07 c 69/54

FUEL POLLEIS AND METHOD FOR MAKING THEM FROM ORGANIC FIBROUS MATERIALS

Applicant & Inventor RUDOLF WILHELM GUNNFR MAN, OF 535 HAYENS AVENUF BI VERLY HILLS CALIFORNIA 90210 UNITED STATES OF AMERICA

Application No 439/Cal/77 filed March 24, 1977

Appropriate office for opposition proceedings (Rule 4, Petents Rules 1972) Patent Office, Calcutta

4 claims

A stabilization process of methyl methaciylate, wherein process comprises in th course of producing methyl inethacrylate from acctone yanohydrin concentrated sulfuric acid and methanol, adding an alkali or alkali earth metal salt of introus acid such as herein before described to a fraction of crude methyl methacrylate distilled from an esterification reactor and or washing water used in the washing procedure

Compl specn 12 pages

Digs Nil

CLASS 32 Γ , b, 60 X_1

155905

Int Cl C 07 d 91/54

A PROCESS FOR THE MANUFACTURE OF 1, 2, 3-THIADIAZOL-5-UREAS

Applicant SCHERING ANTIENGESI LLSCHAFT, OI BERLIN AND BERGKAMLN, OF 1 BERLIN 65 MUL LERSTRASSE 170 178 FEDERAL REPUBLIC OF GER MANY

Inventors 1 FRIEDRICH ARNDT 2 HANS FUDOI TRUGER 3 REINHARI RUSCH

Application No 492/Cal/77 filed April 1 1977

Appropriate office for opposition proceedings (Rule 1 Patents Rules 1972) Patent Office Calcutta

16 Jaims

A process for the minufacture of i 1 2 3 thiadiazol 5-yl urea of the gen ral formula I shown in the accompanying drawings in which

 R_1 represents a hydrogen atom or an alkyl group containing 1 to 5 carbon atoms

Ro represents a hydrogen atom of an alkyl group containing 1 to 5 carbon atoms that may be substituted and/or may be interrupted by at least one hetero atom selected from oxygen and sulphur atoms and

 R^a represents an unsubstituted or substituted heterocyclic group containing at least one nitrogen hetero atom wherein a compound of the general formula II in which R_1 has the meaning given above,

is reacted in the presence of in acid binding agent with a chloroformic acid ester of the gene al formula

CLCO X R

in which X represents an oxygen or sulphur atom and R_4 represents an ilkyl group containing 1 to 5 carbon atoms or in at /1 toup and the esulting compound of the general formula Π

in which R_t , X and R_t have the meanings given above is reacted in the presence of an organic solvent with an amine of the general formula IV

in which R, and R, have the meanings given above

Compl speen 20 pages

Drgs 1 sheet

155906

CLASS 9 B & F

ht (1 C 22 c 23/00

A PROCESS OF MAKING A MAGNI SIUM-BASED ALLOY AND A METHOD OF MAKING A HEAT TREATED METAL ARTICLE FROM SUCH ALLOY

Applicant MAGNESIUM FLEKTRON LIMITED OF LUMAN'S LANE CLIFTON JUNCTION SWINTON, MANCHESTER ENGLAND

Inventors 1 WILLIAM UNSWORTH, 2 JOHN FREDERICK KING 3 STEPHEN LEE BRADSHAW

Application No 2366/Cal/75 filed December 20, 1975

Convention dated 30th December, 1974 (56021) UK

Patent of Addition to No 2365/Cal/75 dated 20th December, 1975

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta

12 Claims

A process of making a magnesium based alloy which comprises alloying with magnesium the following constituents (ig noring iron and other impurities), by weight on the total weight of the alloy

1 253 0%
0 5-2 2%
0 21 9%
0-0 5%
0-1%
0 6%
008%
0- 2%
0 2%
0— 5%
0-1%
0— 1%
0-0 15%
0 1%
0-2%

the maximum and permissible quantity of zirconium and manganese being limited by the quantity of the other and the totol quantity of neodymium and thorium being from 1.5 to 2.4%.

Compl. specn. 11 pages.

Drgs. 5 sheets.

CLASS: $32-F_2$ a.

155907

Int. Cl.: C 07c 101/44.

PROCESS FOR THE PREPARATION OF CARBANILIC ACID EATERS.

Applicant: 1. SCHERING AKTIENGESELLSCHAFT, OF 1 BERLIN 65, MULLERSTRASSE 170-178, FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. ERICH SCHMIDT, 2. FRIEDRICH ARNOT.

Application No. 493/Cal/77 filed April 1, 1977.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

28 Claims

A process for the manufacture of a carbanilic acid ester of the general formula I shown in the accompanying drawings in which

R represents an aliphatic or cycloaliphatic hydrocarbon group, X represents an alkyl or alkoxy group or a halogen atom and n represents 1 wherein

a 3-aminobenzonitrile of the general formula II of the drawings

in which X and n have the meanings given above, is reacted in the presence of a conventional acid-binding agent with a chloroformic acid ester of the general formula

CI-CO-OR

in which R has the meaning given above.

Compl. specn. 19 pages.

Drgs. 1 sheet.

CLASS: 32-B.

155908

Int. Cl.: C 08 f 29/00, 29/02, 29/04, 29/22.

PROCESS FOR THE MANUFACTURE OF POLYOLE-FINES.

Applicant: RUHRCHEMIE AKTIENGESELLSCHAFT, OF OBERHAUSENHOLTEN, FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. DR. JURGEN FALBE, 2. DR. PETER SCHNELLER, 3. DR. WOLFGANG PAYER, 4. INGRID FORSTER, 5. DR. BOY CORNILS, 6. DR. HANS-WALTER, BIRNKRAUT, 7. DR. SIEGFRIED LUTZE, 8. DR. KARL OTTERBEIN.

Application No. 503/ (al/77 filed April 4, 1977.

Appropriate office for opposition proceedings (Rule 4-Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A process for polymerising ethylene, wherein the polymerisation is carried out in the presence of a catalyst comprising a chlorine-containing titanium (III) compound and a trialkylaluminium compound and in the presence of hydrogen and oxygen, the oxygen being added to the ethylene and the catalyst in an amount of 0.0001 to 0.1 volume % relative to the ethylene.

Compl. specn. 17 pages.

Drgs. Nil.

CLASS: 17-E; 55-F.

155909

Int. Cl.: C 12 b 1/00.

FERMENTATION PROCESSES USING SCRAPED TUBULAR FERMENTOR.

Applicant : UNIVERSITY OF WATERLOO, AT WATERLOO, ONTARIO, CANADA.

Inventor: 1. MURRAY MOO YOUNG.

Application No. 518/Cal/77 filed April 6, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

31 Claims

A method of fermentation of a substrate by microorganisms of the kind described herein capable of utilizing the substrate for growth, characterized in conveying a fermentation medium of the kind described herein including the substrate and microorganisms through a hollow uncompartmented tube, fermenting in a known manner the substrate by the microorganisms during the conveying of the fermentation medium through the tube, and scraping the internal walls of the tube during the conveying of the fermentation medium through the tube.

Compl. specn. 13 pages.

Drgs. 2 sheets.

155910

CLASS: 128-H.

Int. Cl. A 61 b 17/22.

APPARATUS FOR TREATING HEMORRHOIDS.

Applicant & Inventor: FRED FASSLER, OF 7 ORECA TERRACE, MONROE, NEW YORK 10954, UNITED STATES OF AMERICA.

Application No. 520/Cal/77 filed April 6, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

An apparatus for use in hemorrhoida which comprises a generally cylindrical member made of a substantially soft and pliable material adapted for physically contacting hemorrhoidal tissues and means for applying a therapeutic treatment to hemorrhoidal tissues by physical contact therewith.

Compl. specn. 16 pages.

Drgs. 1 sheet.

CLASS: 40-F.

155911

Int. Cl. : B 01 j.

RISER WITH HOOD.

Applicant: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., OF CAREL VAN BYLANDT-LAAN 30, THE HAGUE, THE NETHERLANDS.

Inventors: 1. HUBERTUS WILHELMUS ALBERTUS ANTONIUS, DRIES, 2. PETER HADDON BARNES.

Application No. 531/Cal/77 filed April 7, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A riser for a dispersion of solid particles in a gas, the riser being provided with a hood intended for separation of solid particles from the gas stream, placed opposite to the riser outlet and having a flange protruding downward, characterised in that the hood with the flange projects from the rest of the hood, in at least one place in a horizontal direction.

Compl. specn. 10 pages.

Drgs. 3 sheets.

CLASS: 198-A & D.

155912

Int. Cl.: B 03 b 3/04.

IMPROVED SEPARATOR AND METHOD OF SLURRY SEPARATION.

Applicant: FMC CORPORATION, OF 1105 COLEMAN AVENUE, SAN JOSE, CALIFORNIA 95106, UNITED STATES OF AMERICA.

Inventor: 1. SHINOBU MAKINO.

Application No. 609/Cal/77 filed April 22, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

In a separator for removing high density solid particles from a slurry that also contains low density solid particles suspended in a liquid carrier, said separator having an imperforate deck with a support surface, a plurality of parallel spaced riffles extending upwardly from the deck support surface, said surface being sloped downwardly from a feed side for receiving the slurry to a slurry discharge side so that the slurry flows transversely across said riffles and carries the low density particles therewith, said riffles being adapted to restrain the high density particles in the interstices formed therebetween, means for resiliently supporting said deck and an exciter coupled to the deck for generating and transmitting vibrations thereto along a predetermined line of attack axis to progressively advance the high density particles along the deck in a direction generally parallel to said riffles, the improvement comprising said predetermined line of attack axis having a vertical component and said exciter being capable of accelerating the deck to a maximum vertical acceleration that is greater than the acceleration induced by gravity alone whereby the high density particles progress generally parallel to said riffles by a series of rabbit-like hops induced by the deck vibrations.

Compl. specn. 15 pages.

Drgs. 2 sheets.

CLASS: 32-F₂ b; 55-D₂.

155913

Int. Cl.: C 07 d 91/62.

PROCESS FOR THE MANUFACTURE OF HERBICIDALLY ACTIVE 2-DIMETHYLCARBARBAMOYLIMINO-1, 3, 4-THIADIAZOLIN-3-IDE SALTS.

Applicant: SCHERING AKTIENGESELLSCHAFT, OF BERLIN 65, MULLERSTRASSE 170-178, FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. DR, LUDWIG NUBLEIN, 2. DR, FRIE-DRICH ARNDT.

Application No. 629/Cal/77 filed April 27, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

A process for the manufacture of a limino 1-1, 3, 4-thiadiazolin-3-ide salt of 1 shown in the accompanying drawings

in which R represents an alkyl group containing 1 to 6 carbon atoms and B represents a monovalent metal equivalent wherein a 1-(1, 3 4-thiadiazoi-2-yl)-3, 3-dimethyl-urea derivative of the general formula VI of the drawings

in which R has the meaning given above, is reacted in equimolar proportion with a metal compound of the general formula V

in which B has the meanings given above and Y represents a hydrogen atom or a hydroxyl, lower alkoxy or amino group at a temperature between 0° and 100°C.

Compl. specn. 25 pages,

Drgs. 2 sheets.

CLASS: 39L

155914

Int. Cl.: C 01 g 37/00.

"METHOD FOR RECOVERING THE CHROME HYDRATE FROM CHROMIUM ORE".

Applicant: UNION CARBIDE CORPORATION, MANUFACTURERS, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, LOCATED AT 270 PARK AVENUF, NEW YORK, STATE OF NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventors . TADASHI JACK KAGETSU, WILLIAM BRANTNER DE ATLEY AND JOSEPH SOLOMON FOX.

Application for patent No. 841/Del/79 filed on 22nd November, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

A method for recovering chrome hydrate from chromium ore which comprises:

(i) roasting in a gaseous oxidizing environment a mixture of chromium ore with Na₂CO₃ and CaO at a temperature in the range of 600°C to 1100°C for from 0.5 to 6 hours, the amount of Na₂CO₃ being that which provides from about 1.4 to 4.2 pounds of Na₂CO₃ per pound of Cr₂O₃ in the ore and the amount of CaO being that which provides from about 0.6 to 1 pound of CaO per pound of C₁₂O₃ in the ore:

- (ii) water leaching the roasted material obtained in step
 (i) at a temperature of from about 5°C to the boiling point of water for from about 5 minutes to 5 hours;
- (iii) adding an acid to the leach liquor obtained in step
 (ii) to provide a pH of from 3 to 9.5 to cause precipitation of aluminum impurities and separating said impurities from the leach liquor;
- (iv) containing the liquor obtained in step (iii) with an aqueous slurry of NaOH and elemental sulfur at about the boiling point and additional elemental sulfur with the NaOH and elemental sulfur slurry, the additional elemental sulfur being in a range such as herein described, which is sufficient to effect the reduction of the chromium values in the contacted liquor from a valence of 6 to 3 forming a crome hydrate precipitate with said contacted liquor being maintained at about the boiling point during the reduction;
- (v) recovering the chrome hydrate precipitate of step (iv) by filtration;
- (vi) washing the recovered chrome hydrate of step (v) with water to remove entrained soluble impurities.

Compl. specn. 21 pages.

Dygs. 1 sheet.

CLASS: 94G.

155915

Int. Cl.: B02c 19/00, 17/00.

"CONTROL APPARATUS FOR A CRUSHING ASSEMBLY".

Applicant: ALLIS-CHALMERS CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1126 SOUTH 70TH STREET, WEST ALLIS, 14, WISCONSIN, UNITED STATES OF AMERICA.

Inventors: MALCOLM DONALD FLAVEL.

Application for Patent No. 768/Del/80 filed on 21st October, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

Control apparatus for a crushing assembly composed of a crushing plant to which unprocessed material is fed and by which the material is delivered to a delivery zone as crushed product, and a grinding mill to which said crushed product is fed and which reduces the same to final product while consuming the maximum amount of power available to it said control apparatus being adapted to control the rate at which unprocessed material is fed to the crushing plant during its operation so that said plant substantially consumes the maximum power available to it and said grinding mill operates to produce substantially constantly said final product at the maximum rate that is within its existing capabilities, said apparatus providing for maintenance of a feed rate that affords optimum utilisation of the assembly and of energy expended in its operation, said control apparatus being characterized by:

- Clock and counter device for defining a succession of milling measurement times during the operation of the grinding mill;
- A final product sensor for producing an output that is a function of quantity of final product produced;
- C. First rate calculator device adapted to connect said clock and counter device with said final product sensor, said first rate calculator device being adapted to produce at each milling measurement time an output corresponding to the rate at which the grinding mill has been producing final product during an interval which terminates at the milling measurement time;
- D. Required rate device connected to said clock device and to said first rate calculator device, said required 3—507 GI/84

rate device being adapted to produce an output which is a function of the relationship between the amount of time that the crushing plant is in operation during an extended period, reduced valent, and the amount of the is in operation during a period, reduced to its full-capacity equivalent; and

E. Second rate calculator device connected with said first rate calculator device and with said required rate device, for producing an output that corresponds to the rate at which unprocessed material must be fed to the crushing plant.

Compl. specn, 32 pages.

Drgs. 4 sheets.

CLASS: 15A, D.

155916

Int. Cl.: F16c 33/00.

"A SLEEVE BEARING".

Applicant: FEDERAL-MOGUL CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF MICHIGAN, OF 26555 NORTHWESTERN HIGHWAY, SOUTHFIELD, MICHIGAN 48034, UNITED STATES OF AMERICA.

Inventor: ARDEN J. ROBERTS.

Application for Patent No. 198/Del/81 filed on 8th April, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A sleeve bearing (20) comprising a pair of engaging identical half-shells (22) which together provide an outer cydindrical surface (24) and an inner bearing surface for surrounding a cylindrical journaled member (26) in close spaced relationship therewith in a manner defining a clearance space with the journaled member (26) to receive lubricant, said inner bearing surface having two opposed portions (A) and (B) wherein the first portion (A) is concentric with the journaled member during the loaded portion of a revolution and is defined by a constant radius (r) about an axis (32), said constant radius (r) closely approximating the radius of the journaled member to provide a relatively small clearance with the journaled member and the second portion (B) is eccentric with respect to the journaled member and is defined by at least one radius (r') to provide a greater clearance with the journaled member and wherein said axis (32) is located on a diameter which divides each of said first and second portions (A) and (B) and said half-shells engage on said diameter so that each of said half-shells are identical.

Compl. specn, 13 pages.

Drgs. 2 sheets.

CLASS : 10C, D; 116G.

Int. Cl.: F41d 9/00, F41f 9/00.

155917

"IMPROVED DEVICE FOR THE STORING AND FEEDING OF AMMUNITION IN BELT FORM TO A WEAPON".

Applicant: BREDA MECCANICA BRESCIANA S.p.A., A COMPANY ORGANIZED UNDER THE LAW OF THE ITALIAN REPUBLIC OF VIA LUNGA 2, BRESCIA, ITALY.

Inventor: REMO PARVIS.

Application for Patent No. 239/Del/81 filed on 21st April, 1981.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

An improved device for the storing and feeding of ammunition in belt form to a weapon, which comprises a container provided internally with a plurality of a vertically disposed

walls dividing said container into a plurality of vartical sectors said belt of airmunition being adapted to be disposed in the torm of a loop within each ectotic the width of where is not less than the maximum outer dimension of one said loop and belt straddling each dividing wall as a form, locton each successive sectimalization means for supporting and moving the said container so as successively to a ignite open end of each sector with a path for withdrawal of the belt therefrom or feeding at the he said weapon and drive means for movin the said support and thereby said container synchronously with the withdrawal of said beat from each sector.

Comrl speen 8 pages

Ligs 3 shees

CLASS 72Ca

155918

Int Cl D01g 15/34

DIRI SHPARATOR WITH A WEB CARDING PLATE

Applicar HOLLI' GSWORTF GmbH OF 7265 NEU BULACH Y, WEST G RMANY, A GERMAN COMPANY

Inventor WALTER IOFFLER

Application for Pate t No 241/Del/81 filed on 21st April 1981

App oprists office for opposition proceedings (Rule 4, Patents Rules, 1972) P tent Office Branch, New Delm-110005

6 Claims

Dut separator for colds and combs, which is located immediately in front of the doffing cylinder and has a knite blade which is located to point against the direction of rotation of the mair cylinder at an adjustable distance from the latter, and at a periphe all distance from a plate lying in front of the knite blade and extending at a short radial distance from the main cylinder said dirt separato having a base plate adjoining the knife blade in the direction of sotation of the main cylinder and an extraction chamber covering the gap between the state and the knife blade, characterised in that the base plate is covered with a sawtooth wire clothing

Compt specin 9 pages

Drgs 2 sheets

CI ASS 195B

155919

Int Cl F16k 3/26

'STEAM THROTILY VALVE"

Applicant SULZER BROTHERS LIMITED OF CH-8401 WINTERTHUR, SWITZERLAND, A SWISS COMPANY

Inventor KERLHFINZ GROTLOH

Application for Patent No 249/Del/81 filed on 22nd April, 1981

Convention date 16th May, 1980/352, 153 (Canada)

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delh -110 005

8 Claums

A steam throttle valve comprising a valve body having a throttle cross section disposed on a valve spindle guide disposed on said valve axis for guiding a valve head relative to said valve seal said guide having a coaxial contact surface thereon, perforated valve cage disposed on said valve axis downstream of said throttle cross section concent ically about said spindle guide to define a flow chambe there between and cage having a contact surface concentric to and opposite said contact surface of said guide, a plinality of ducts extending along and between said contact surfaces for directing cooling water in o said flow chamber and an annulus concentric to said valve its for receiving cooling water and being in communication with said ducts to delive cooling water into said flow chamber

Compl speen 11 page,

Drgs 2 sheets

CLASS: 36-A3(-1)B3 & 196 A

155920

Int Cl F 01 d 5,00

A RING MOUNTED E. ADE ASSEMBLY FOR FANS

Appicant & Inventor TEIR: MALAI ANANDAM PIL LAI VIJAYAN, C/O F 3 TAMANATHAN, POYAPAK KAM VILLAGE, (VIA) VILLEPURUM, TAMIL NADU 605 602

Application No 139/Mis/82 filed June 29, 1982

Complete Specification 1 ft June 24, 1983

Appropriate office for opposition preceedings (Rule 4, Patents Rules, 1972) Patent Office, Madra Branch

3 Claims

A ring mounted blade assembly for fans comprising plurality of blades, the said blades being fixed on a ring, the said ring being suppored by more than one racial arms, the said arms ending in a centrally placed hub, the hub being mounted on a motor drive shaft

Piov 2 pages Com speen 4 pages

Drgs 1 sheet

CLA'S 55 F, 128 G

155921

Int C1 A 61 j /00, G01n 33/00, 33/16, A 61 b, 10/00

AN IMPROVED CONTAINER FOR THE COMPREHENSIVE ESTIMATION OF SOLUTIONS

Applicants & Inventors SUNANDA BABURAO SID-DHAM, L-87 VASAN NAGAR, NAGPUR-440 022, MAHARASH1RA, IND.A

Application No 319/Bom/1981 filed November 16, 1981 Complete left af er provisional Feb 16 1983.

A propriate office for opposition proceedings (Rule 4, Patents Rules, 19/2) Patent Office, Bombay Branch.

6 Claims

An improved container for the comprehensive estimation, both qualitatively and quantitatively, of solutions such as herein described, which comprises a vessel of resilient material provided with a c oseable opening through which it can be filled with the solution to be estimated, said resilient material being impermeable to the solution, and located within said vessel in predetermined sequence one or more individual eachet, of trang b'c or imprinate material, each sealed cachet containing a predetermined amount of a standard reagent for reaction with said solution for the estimation of the presence of a specific substance therein, each cachet being adapted to be imprined or crushed by external pressure thereon applied through the resilient material forming the vessel and thereby to release the reagent contained therein into the solution to form a working solution for the desired estimation

Comple e specification 10 pages

Drgs 2 sheets

P ovisional specification 6 pages

Drgs Nil

155922

Ind Cl 101G + 200D

Int Cl F 04 + 10/00

FLOATING SIPHON

Apricant & Inventor PROF BHAGWAT KUNDALIK DHONDE AN INDIAN CITIZEN OF 1195/4B, SHIVAJI-NAGAR, TULPULE BUILDING FERGUSSON ROAD PUNE 411 055, STATE OF MAHARASHTRA, INDIA

Application No 332/BOM/ 981 filed December 7, 1981

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

12 Claims

A floating siphon for delivering liquids at a uniform rate comprising a siphon pipe having a suction pipe or branch and a delivery pipe or branch characterised in that a float is se-

cured to suction pipe or branch of the siphon pipe near the lower end thereof, the float floating on the liquid in a container and means provided on the outside of the container permitting descent of the siphon as a whole as the level of the liquid in the container falls so that the pressure head of the liquid remains the same.

Complete specn. 13 pages.

Drgs. 2 sheets.

Ind. Cl. 116 E, 134 A.

155923

Int. Cl.: B 66 f-1/00.

MULTIPLE GRIP DISCS MECHANISM FOR JACKS, PROPS, GRIPPING VICES OR THE LIKE DEVICES AND A JACK COMPRISING THE SAME.

Applicant: MASUMALI JAFFARALI ZAVERI, AN INDIAN CITIZEN 20 S. V. ROAD, 3 "MUKUT", BANDRA, BOMBAY-400 050, MAHARASHTRA, INDIA

Inventor: PRAVIN LAXMAN SALINKAR.

Application No. 349/Bom/1981 filed on 24th Dec. 1981.

Complete specification left on 24th Dec. 1981.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Bombay Branch.

11 Claims

A multiple grip discs mechanism for jacks, props, gripping vices or the like devices characterised in that the grip disc consists of two or more plates stacked together and each of the said plates is provided with a hole passing therethrough a stanchion and wherein under load bearing conditions the stack formed by said plates get displaced or deviated from the longitudinal axis of the stanchion to positively grip it thereby increasing load bearing capacity of the mechanism and wherein the bearing pressure on contact zone is reduced and due to which the diameter of stanchion required load, and the space required for multiple

are reduced in proportion to the number of plates in the said stack, in comparision with the grip disc mechanism having single grip disc of the prior art.

Complete specification 11 pages.

Drgs. 1 sheet.

Provisional specification 4 pages.

Drgs. 2 sheets.

CLASS: 49 H. 155924

Int. Cl.: A 47 j 27/00.

IMPROVED LATCHING MEANS FOR PRESSURE COOKERS.

Applicants: PRESSURE COOKERS & APPLIANCES LTD., UNITED INDIA BUILDING, PHEROZESHAH MEHTA ROAD, BOMBAY-400 001, MAHARASHTRA. INDIA.

Inventor: NARANAMMAL PURAM SANKARAN SUB-RAMANIAN.

Application No. 70/Bom/1982 filed March 25, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims

Improved latching means for a pressure cooker of the type referred to, characterised in that a locking or latching loop is hinged to the handle bar on the lid for latching the handle bar to the handle on the vessel, the said locking or latching loop comprising a strip of metal plate bent at an obtuse angle and having an upper elongated or elliptical hole and a lower elongated or elliptical hole, the upper hole being adapted to engage with metal bracket fixed to the handle on the vessel and projecting from the end of the handle in the closed position of the pressure cooker when the two handles are pressed together and the lower hole having a length and width larger than the length and width of the upper hole and being adapted to be engaged, in partly open position of the cooker, by the said bracket when the two handles are pressed together for unlatching them.

Compl. specn. 12 pages.

Drgs. 2 sheets.

CLASS: 172 C4.

155925

Int. Cl.: D01h 5/00.

AN IMPROVED TOP ROLLER CLEARER FOR TEXTILE MACHINERY IN PARTICULAR FOR RINGFRAMES, FLY FRAMES AND DRAW FRAMES.

Applicants: AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, PO. POLYTECHNIC, AHMEDABAD-380 015, GUJARAT, INDIA.

Inventors: (1) MUNISHWAR CHANDER SOOD, (2) MAHARAJAPURAM NATARAJAN VIJAYSHANKAR & (3) PREM PAL SINGH.

Application No. 168/BOM/1982 filed June 29, 1982.

Complete after Provision left August 29, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims

An improved top roller clearer for textile machinery, comprising a cylinder inside whereof is hollow throughout its entire or part length to accommodate anti-stick powder, such as herein described, therewithin, said cylinder having opening (s) at one or both end(s) for filling of the anti-stick powder therethrough. said opening(s) being fitted with removable lid(s) and the circumferential surface of the cylinder being provided with through holes/slots particularly at the hollow portion thereof to define outlets for the anti-stick powder, and being covered throughout its entire length including the said through holes/slots with a porous sheet, said cylinder being adapted to be rotated through frictional contact with a top roller of textile machinery.

Complete specification 9 pages.

Drgs. Nil.

Provisional Specification 6 rages.

Drgs. 1 sheet.

CLASS: 129 A, G. M.

155926

Int. Cl.: B21d, 28/00, B21c 47/00.

"A PUNCHING AND WINDING MACHINE TO MANU-FACTURE CORES FOR ELECTRIC MACHINES".

Applicant: CARD-O- MATIC PTY. LIMITED, A COR-PORATION OF THE STATE OF NEW SOUTH WALES, OF 20 McEVOY STREET, WATERLOO, NEW SOUTH WALES 2017, AUSTRALIA.

Inventor: LOUIS STANLEY.

Application for Patent No. 754/Del/79 filed on 27th October, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

16 Claims

A punch and winding machine to manufacture a roll of punched strip, said machine including a main frame, a punching assembly mounted on the main frame and adapted to receive said strip and punch holes therein at predetermined intervals along the strip as the strip is drawn through the punching assembly, a winding assembly adapted to receive the punched strip and wind it into said roll, said winding assembly including a movable frame movably mounted on the main frame, a driven shaft rotatably supported on said movable frame and about which said strip is wound so as to feed the strip through the punching assembly, said movable frame being restrained to move in a predetermined direction relative to said main frame so that the location of application of the strip to said roll moves only radially with respect to said shaft, abutment means located to abut the periphery of the roll and to cause movement of said frame in said predetermined direction, control means to cause relative movement between said punching assembly and said winding assembly in response to an increase in the diameter of the roll so that the feed rate of the strip to said punching assembly is determined firstly by the diameter and rotation of said roll, and winding assembly, said control means including a first part attached to said movable frame so as to move therewith in

said production in diduction, and a second part attached to the punching assembly or main frame and operatively associated with said onse pirts as as to cause and relative movement in residence of mission of anid bett part in said production mission to an example of a said production and beat relative to the said to be contact said abution, and it is said beat relative to the activity constant to the activity to be the relative to the activity of the activity of the said by an example of the said principle assembly, and coold not an example of the said winding drive means and relative relation of said purchased relative means according to the development of the said winding drive means according to the said abuff in between punching operations.

Compl. specn. 34 pages.

Drgs. 11 sheets.

CLASS: 62E, 195D.

155927

Int. Cl.: DOCE 17-00, 31/00; B05b 12, 00 F16k 11/00.

"A MULTIPLE LIQUID DISPENSER PARTICULARLY, BUT FOR LINCLUSIVELY, FOR USE WITH A WASHING MACHINE".

Applicano : THOMSON-BRANDT, OF 173, BL. HAUSS-MANN, 75008 PAEIS, FRANCE, A FRENCH COMPANY.

Inventor . CHRISTIAN BURGEL

Application for Patent No. 730/Del/80 filed on 7th October, 1980.

Appropriate office for opnosition proceedings (Rule 4. Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

24 Claims

A multiple liquid dispenser particularly, but not exclusively, for use with a washing machine comprising a single inlet and a number (n) of outlete, characterised in that said dispenser comprises at least one simple electrically operated valve at said single inlet for controlling the intake of liquid, and (n-1) liquid guide devices forming a connecting system between said single inlet and the (n) outlets, the liquid guide devices being connected in cascade and provided with three ways and a valve which is individually controlled by the incoming liquid in a specific secuence determined by a fixed number of openings and closing of the electrically operated valve for fixed periods, a hole of predetermined ize for connecting to atmosphere being formed in the body of the dispenser at the path of the incoming liquid downstream of each of the liquid guide devices.

Compl. specn. 36 pages

Drgs. 4 sheets.

CLASS: 87B.

155928

Int. Cl.: A63b 45/00.

"AN IMPROVED METHOD FOR MAKING BALLS FOR CRICKET, POCKEY OF THE LIKE PURPOSE AND THE BALLS MADE THEREFROM".

Applicant: M. J. SPORTS GANESH NAGAR, BASTI NAU, JULITONE PLAGES DINVAR, AN INDIAN PART-NERSHIP FIRM WITCOT BAPTINES ARE SURI MULKHI RAI AND SHELLOGING OR DAVID ALSO OF THE SAME ADDRESS AND ALL DIVAN NATIONALITY.

Inventor : IOGINDER PAUL.

Application for Patent No. 262/DFL/81 filed on 27th April, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Patent 1973), Patent Office Branch New Delhi-110 005.

4 Chims

An improved method for making balls for cricket hockey or the like nurpose characterised in that it consists the stens of spherically moulding a core from a composition of cork chips of different shapes and sizes and an impregnating solution such as herein defined to bind the said cork chips quilting the said core with worsted around the said premoulded core until it assumes a predetermined weight and shape, covering

the quilted core with a pair of preshaped flexible cork iaminates at right angles to each other, applying a second collection of worsted weaped deadly around the land core unit is reaches a preservation if weight and strong, again any it around the core of usin angles to each if a a correct late acts birds in the three the late acts of this prepared white itself assorbly with a soft to the product white prepared white itself assorbly with a took finds a cook late acts, at the angles we ach other beying a size borns that the second pair of cork mines, and a pair of cork mines, and a pair of cork mines, and the analysis have borns that the second pair of cork mines, and the analysis have a consecutive with a present mile that a single borns at the time of the and whose interest with a course birm seemed together by row, of substitute with strong similar to that the sum of such appears on the surface of the leasher cover formed by the two hemisphetical feather cups.

Compl. specn. 7 pages.

Drgs. 1 sheet.

155929

CLASS: 11D.

Int. Cl. A01m 23/00.

"MOUSE OR RATE TRAP".

Applicant: SUNIL DUTT KAINTHOLA, INDIAN, NATIONAL C/O. SHRI B. D. RATURI, 54 BLOCK, 3 BHANDARIBAGH, DEHRADUN-248001, INDIA.

Inventor: SUNIL DUTT KAINTHOLA.

Application for Patent No. 301/Del/81 filed on 15th May, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

A mouse or rat trap comprising a rectangular box like structure having at least one sorting biased trap door at the ton adapted to open downwardly by the weight of a mouse or rat and at least one spring biased platform pivoted along one of its shorter sides and adapted to tilt downwardly in the direction opposite to the direction in which the trap door tilts the platform having on its upper surface a rhurality of conductors, alternate conductors being connected to opposite lines of a source of electric supply.

Compl. specn, 9 pages

Drgs, 1 sheet.

CLASS: 187 C3.

155930

Int. Cl.: H04m - 3/00, 5/00, 7/00

"DEVICE FOR ADJUSTING AN ADAPTIVE DIGITAL BALANCE FILTER INCLUDED IN A SUBSCRIBER UNIT".

Applicant: TELEFONAKTIFPOLAGET I M FRICSSON, OF S-126 25 STOCKHOLM, SWEDEN, A SWEDISH COMPANY.

Inventor: LARS TOMMY EDWARD SVENSSON,

Application for Patent No. 307/DEL/1981 filed on 16th May, 1981.

Appropriate office for opnosition proceedings (Rule 4. Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

Device for adjusting an adaptive digital balance filter included in each of a charality of subscriber units, commonly connected to a telephone exclusion in response to the impedance of a line connected to telephone filter unit, where each uch unit contains, anart from the lange filter (B), a two-wire to four-wire transfer and the lange filter (B), a two-wire to four-wire transfer and to be these as switch (K1) for connecting and disconnecting to the lange filter between said branches filter units (F1 F2 F3 F4) and converter units (AD, DA) in each of the branches, characteried by a switching unit (II) connected to both four-wire branches for connecting a selection unit (III) to one of said subscriber units

(I) simultaneously as the balance filter (B) is disconnected from said branches, wherein the selector unit includes:

- (a) a test signal generator (TS) for transmitting a periodic test signal in digital form containing at least one tone frequency (fo) across a loop containing one of the four-wire branches, the subscriber line and the other four-wire branch.
- (b) a filter bank containing N digital filters (B1....BN) connected in parallel for receiving a signal corresponding to the test signal across the input of the balance filter, the transfer function of each filter in the bank corresponding to the transfer function of the equivalent filter (F) formed by the line impedance of each of at least N lines, which are connected to the unit (1) and to the part of said loop which is connected to the balance filter (B),
- (c) a plur lity of N summing circuits (S1....SN) for summing the test signal which has gone through said loop with the same test signal filtered in said filter in the filter bank,
- (d) a measuring unit (M) for forming a criterion from the signals (yl....yN) obtained from said summing circuits (Sl....SN) with relation to the one (BK) of said filters (B1....BN) the transfer function of which best matches the transfer function of said equivalent filter,
- (e) a memory unit (KM) storing a plurality of filter parameters (cij) corresponding to the parameters of each of the filters in the filter bank and which, in defendence on the signal (e) obtained from the measuring circuit (M), transmits signals to the balance filter (B) corresponding to the parameters of the filter in the bank, the output signal of which in the measuring circuit meets said criterion after summing in said summing circuits (s1....SN).

Compl. specn. 15 pages.

Drgs. 2 sheets.

CLASS: 139G.

155931

Int. Cl.: C10b 17/00.

"A PROCESS FOR RECOVERING PURE SULFUR FROM THE WASTE SLUDGE REMOVED FROM SULFUR MELTING PITS IN THE MANUFACTURE OF SULFUR BASED CHEMICALS AND FROM LOW PURITY SULFUR STOCKS".

Applicant: THE DELHI CLOTH & GENERAL MILLS CO. LTD., BARA HINDU RAO, DELHI-110006, (UNIT: SHRIRAM RAYONS, SHRIRAM NAGAR, KOTA-324004, RAJASTHAN), A COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT.

Inventors VAWAN GEGU NAVELKAR, NAND GOPAL EHATTACHARYYA AND ASHOK KUMAR DUA.

Application for Patent No. 313/Del/81 filed on 19th May, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the recovery of pure sulfur from sludge obtained from the sulfur melting pits during the manufacture of various sulfur based chemicals like sulfuric acid, carbon-di-sulfide and similar other compounds and from low purity sulfur stock, comprising crushing the sulfur sludge or low purity sulfur stock, comprising crushing the sulfur sludge or low purity sulfur stock to suitable size, leaching the crushed mass with a suitable solvent such as carbon di sulfide or kerosene removing the suspended impurities from the sulfur solution so obtained, heating the solution in a distillation still to recover the solvent and finally removing the pure sulfur from the still either in the solid or in the molten state.

Compl. specification 5 pages.

Drgs. 1 sheet.

CLASS: 130G

155932

Int. Cl.: C 22 b 9/00, 21/00, 45/00, 15/00.

APPARATUS FOR REFINING MOLTEN METAL PARTICULARLY ALUMINUM.

Applicant: UNIGN CARBIDE CORPORATION, MANUFACTURERS. A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, LOCATID AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventor: JOHN FRANKLIN PELTON.

Application for Patent No. 317/Del/81 filed on 20th May, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-

5 Claims

An improved apparatus for refining molten metal particularly aluminum comprising, in combination:

- (a) a vessel having an inlet zone and an outlet zone; at least two refining compartments in-between, connected in series, separated by baffles, and positioned in such a manner that the first refining compartment in the series is adjacent and connected to the inlet zone and the last refining compartment in the series is adjacent and connected to the outlet zone; and dross removal means; and
- (b) one rotating inert gas distributing device disposed at about the center of each refining compartment, said device comprising a shaft having drive means at its upper end and a rotor fixedly attached to its lower end, the upper end being positioned in the top section of the compartment and the lower end being positioned in the bottom section of the compartment, characterized in that:
 - (1) the baffle (2) between the inlet zone and the first refining compartment is closed at the top and open at the bottom and the baffle (12) between the outlet zone and the last refining compartment is open at the top and closed at the bottom; and
 - (2) utilizing for each separating baffle, a baffle consisting of first and second baffles bearing a spaced and parallel relationship to one another and positioned in such a manner that (i) the first baffle (7) is on the inlet side of the vessel and the second baffle (9) is on the outlet side of the vessel and (ii) the first baffle is open at the top and closed at the bottom and open at the bottom.

Compl. specn. 14 pages.

Drg. 2 sheets.

CLASS · 35-C

155933

Int. Cl.: C 04 b 9/00 (+) 11/00.

A PROCESS FOR THE PRODUCTION OF ANHY-DRITE CEMENT FROM PHOSPHOGYPSUM.

Applicants: THE FERTILISERS AND CHEMICALS, TRAVANCORE I IMITED. P.O. UDYOGAMANDAL, COCHIN, KERALA.

Inventors: (1) KOCHUPARAMPIL CHERIAN GEE-VARGHESE. (2) KALLIVALAPPIL VARUNNY JOSE, (3) CHEMBUMKULAM SREEDHARAN BHASKARAN NAIR (Dr.).

Application No. 151/Mas/82 filed July 21, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims. No drawing

A process for the production of anhydrite cement from phosphogypsum characterised in that the phosphogypsum is intimately mixed with one or more primary additives such as the phosphates, calondes, fluorides, sulphates, fluosides and carbonates of alka i metals with or without secondary additives such as the oxides, hydroxides or carbonates of alkaline earth metals and then subjected to a thermal treatment in the range of 750 to 1200°C.

Compl specn. 11 pages.

Ind. CLASS: 172 D-3

155934

Int. Cl.: Doih 1/00, 1/24.

AN IMPROVED FOOTS I.P BEARING AND SPIN-DLE COMBINATION FOR THE SPEED FRAME OF A IEXTIL: SPINNING MACHINERY AND A SPEED FRAME OF A IEXTILL SPINNING MACHINERY HAVING THE SAME.

Applicant & Inventors · RAMNIK SHAH AND RAHUL SHAH, BOTH OF 3C, SURESH COLONY, VILE PARLE (WEST), S.V. ROAD, BOMBAY-400 056, MAHA-

Application No. 271/Bom/82 filed on October 14, 1982.

Appropriate office for opposition proceedings (Ru Patents Rules, 1972) Patent Office. Bombay Branch.

6 Claims

An improved foot top bearing and spindle combination for the speed frame of a textile spinning machinery, said combination consisting of a footstep bearing provided with a recess, a plate provided in and freely supported in said recess, a ball provided in said recess and freely supported on said plate, a ball bearing provided in said recess and rigidly supported towards the open end of said recess, a spindle rigidly supported in said ball bearing such that the the lower end of said spindle protrudes from said ball bearing, the lower end of said spindle protrudes from said ball bearing, the lower end of said spindle being fiat and freely supported on said ball; and a detachable cover provided at the open end of said recess.

Compl. speen. 9 pages.

Drg. 1 sheet.

Ind. CLASS . 108 C1 4 1.0C

155935

Int. C1 . (21c-5/48 (22h-9/00.

A PROCESS AND DEVICE FOR REFINING A METAL BATH CONTAINING SUBSTANTIAL QUANTILLES OF SOLID COOTING MATTER, IN PARTICU-LAR SCRAP METAL.

Applicant: APBI D SCCIETE ANONYME, A LUXE-BOURG COMPANY OF AVENUE DE LA LIBERTE, L-2930 LUXI MEGURG

Inventors: 1 PAUL METZ, (2) FRANCOIS SCHLEI-MER, (3) FLRDINAND GOEDERT, (4) ROMAIN HENRION, (5) HINRI KIFIN AND (6) JEAN-FRAN-COIS LIESCH.

Application No 248/Bom/1982 filed on September 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

12 Claims

A process for relining a metal bath containing substantial quantities of solid cooling matter, in particular scrap metal, which provides for a refining operation through blowing of oxygen from the top into the surface of the bath which is characterised in that powdered carbon suspended in neutral gas jet is introduced into the bath through a lance head and said jet is directed vertically over the bath surface by imparting to it a velocity of the order of Mach 1.5 to 2.5 and further neutral gas ranging from

0 to 0.2 normal cubic meter per minute and per tonne of metal , injected simultaneously into the bath through permeasie components noused at the bottom of the melting poo, to prevent forming of the slag under the effect of the manifescu carbon.

Compl. specn. 13 pages.

Drg. 2 sheets.

CLASS . 181

155936

Int. Cl. . F 24 j 3/02.

CONDITIONING SYSTEM FOR BUILDING OR UTHER LINCLUSURE.

Applicant. JOHN ALLEN MCELWAIN, A CITIZEN OF THE UNITED STATES OF AMERICA, RESIDING AT CALLE MATER OBNADOR 6, 7°B, PALMA DE MATECRA, SPAIN.

inventor. JOHN ALLEN McELWAIN.

Approacon for Patent No 847/Del/80 filed on 27th Novlinber, 1980.

Appropriate office for apposition proceedings (Rule 4, Patents Rutes, 1972) Patent Office Branch, New Delhi-

18 Claims

A conditioning system for building or other enclosure comprising:

color tank of liquid at a temperature relatively lower that the ambient temperature, a heat tank of liquid at a temperature relatively higher than the ambient temperature, a heat jump located between said heat tank and said cold tank for transferring heat from said cold tank to said heat tank, a cold exchanger in said cold tank raving a huid inlet and a fluid outlet for traducting heat between fluid flowing there in ough and liquid in said cold tank, a heat exchanger in the heat tank having a fluid inlet and a fluid outlet for transcring heat octween the liquid in said heat tank and here flowing through said heat exchanger; tank and here flowing through said heat exchanger; and conduct attached to said cold exchanger and said heat exchanger for uncerting fluid between said exchangers and the space defined by said building or other enclosure to be heated or cooked by said conditioning system, the conducts including an air handler mounted adjacent said tanks, said air handler comprisence that appeals for convenient or each of one interest and tanks. ing port, arranged for connection to each of an inlet ing poit, analged for connection to each of an inlet from said space, an cullet to said space, an inlet from a said space, an cullet to said space, an inlet from a said collector or other source of heated fluid, an other to said collector or other source of heated fluid met und connected to the inlets and the inlet and outlet of each of said exchangers; ducts extending between said ports; and control baffles for controlling flow in raid ducts and between said ports, said ducts including a main space inlet duct connected to the ports and a main collector or other source inlet duct each to the inlets of each of said exchangers and to a correst ording poit from said space and from said collector or other source, and a main space outlet a correct adding folt from said space and from said collector or other source, and a main space outlet duct and a main cellector or other source outlet duct connected to the ports from the outlets of each of or development and to a respective one of the ports and space and said collector or other source, and small liftly permitting fluid in each of said main inlet ducts to flow to a relected one or more of said exclangers and preventing fluid in said main inlet ducts. chargers and preventing fluid in said main inlet ducts from flowing to exchangers other than said exchangers.

Compl. specn. 47 pages.

Drg. 16 sheets.

CLASS: 172 C

155937

Int Cl + D 01 g 15/00

IMPROVED CARDING MACHINE.

Applican HOLLINGSWORTH GmbH OF 7265 NEURULACE 5 WEST GERMANY, A GERMAN COMPANY

Inventors: KARL-HEINZ SCHMOLKE & JOACHIM FINSTERBUSCH.

Application for Patent No. 344/Del/81 filed on 29th May, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A card comprising a drum which has a helically wound wire as a clothing, a plurality of fixed covers (carding plates) which interact with the drum and which are lined with lengths of sawtooth wire as a clothing, characterised in that the length of sawtooth wire of at least the first two covers lie in planes which extend at an angle with respect to a diametrical plane of said drum, and in that the direction of inclination of the lengths of sawtooth wire of said first cover is opposite to that of said second cover.

Compl. specn. 9 pages

Drg. 2 sheets.

CLASS: 25C & 35E

155938

Int. Cl.: C 04 b 31/00.

A REFRACTORY GAS-PERMEABLE STRUCTURAL UNIT.

Applicant: ARBED S.A., OF AVENUE DE LA LIBERTE, L-2930, LUXEMBOURG, A COMPANY ORGANIZED UNDER THE LAWS OF LUXEMBOURG.

Inventors: FRITZ HODL & FRIEDRICH KASSEGGER.

Application for Patent No. 389/Del/81 filed on 16th June, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

27 Claims

A refractory gas-permeable structural unit for blowing a gas into a metal treatment vessel and through its casing comprising at least two elements composed of a refractory material and each having first and second longitudinal faces and first and second end faces, said elements abutting against one another with said first longitudinal faces; a metal layer arranged on at least one of said first longitudinal faces of said elements; a metal housing surrounding said elements to connect them with one another and sealingly abutting against said second longitudinal faces of said elements; and means for supplying gas and including a gas distribution chamber formed at said first end face of said elements and a conduit communicating with said distribution chamber.

Compl. specn, 19 pages.

Drg. 3 sheets.

CLASS: 157D₃.

155939

Int. Cl.: E01b 25/00.

"TRACK LINK FOR A TRACKED VEHICLES".

Applicant: THE SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND, WHITEHALL, LONDON SW1A 2HB, ENGLAND, A BRITISH CORPORATION SOLE.

Inventor ROBERT ANTHONY PARKER.

Application for Patent No. 394/Del/81 filed on 17th June, 1981.

Convention date 14th July, 1980/8022932/(U.K.).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

12 Claims

A track link for a tracked vehicle including:

a ground opposable face containing at least one slideway; a load bearing shell of bowed cross-sectional configuration having a convex outer surface and a concave inner surface the convex outer surface being slidably engagable with the slideway in two opposed bearing planes each substantially parallel with the ground opposable face; a resilient ground engagement pad bonded to the concave inner surface of the load bearing shell so as to protrude transversely therefrom along its length, the shell being disposable in the slideway with the pad protruding outwardly from the ground opposable face; and a fastening means for retaining the load bearing shell in a fully inserted position within the slideway.

Compl. specn. 8 pages.

Drgs. 3 sheets.

CLASS: 63 A-2, 1.

155940

Int. Cl.: H02k 17/00.

"AXIAL AIR GAP INDUCTION MOTOR".

Applicant: CARD-O-MATIC PTY. LIMITED, A CORPORATION OF THE STATE OF NEW SOUTH WALES, OF 20 McEVOY STREET, WATERLOO, NEW SOUTH WALES 2017, AUSTRALIA.

Inventor: LOUIS STANLEY.

Application for Patent No. 497/Del/83 filed on 22nd July, 1983.

Divided out of patent application No. 754/Del/79 dated 27th October, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

An axial air gap induction motor comprising a casing having two longitudinally spaced end plates and a side cover extending therebetween, a field core mounted in said casing so as to be fixed to one of said end plates, a rotor core rotatably mounted in the casing by means of a bearing assembly and shaft, each core being of generally cylindrical configuration so as to have end faces and being co-axially mounted with the cores having a pair of confronting end faces which are generally parallel; both the cores being formed of metal strip punched to have a plurality of holes which are spaced and located at predetermined positions along the strip so that when the strip is wound about a central axis the punched holes are located so as to form radially extending slots on an end face of each of the cores, at least one field winding mounted on said field core and extending through the slots formed therein so as to be able to induce an axial magnetic field, said rotor core having radially inner and outer longitudinal generally cylindrical surfaces both over-laid with a conductive ring and a conductive rod located in each of the slots and being conductively connected between the radially inner and outer conductive rings, said shaft being rotatably supported by said end plates and supporting said rotor so as to be driven thereby, and wherein each end plate has an annular flange co-axial with said cores and said bearing assembly includes a bearing housing mounted in each flange, a bearing supported within each housing, with said shaft extending between the bearings.

Compl. specn. 22 pages.

Drgs. 8 sheets.

CLASS: 86-B & C. Int. Cl.: A47c 7/58. 155941

COUNTERBALANCE FOLDING HINGE ASSEMBLY FOR PIVOTING LOADS.

Applicant: SICO INCORPORATED, AT 7525 CAHILL ROAD, MINNEAPOLIS, MINNESOTA, U.S.A.

Inventors: 1. RICHARD CONRAD BUE, 2. PHILLIP LEROY GORSUCH.

Application No. 282/Cal/76 filed February 17, 1976.

Appropriate office for opposition Proceedings (Rule 4. Patents Rule 1972) Patent Office, Calcutta.

7 Claims

A counter balanced folding chinge assembly for pivoting load comp. ng:

- (a) a base frame to mbor for attachment to a floor;
- (b) a movable frame member for attachment to a load,
- (c) m. 15 pixeally faculting said movable frame member to said batto are member to permit pivoting of the lead through a variable angle between vertical and to izontal positions:
- (d) counterbalance means interconnected between said bose frame and movable frame for applying a bias the etc., said counterbalance means comprising
 - (1) a spring having one end operatively engaging one of said frame members;
 - (2) means d. Ining a cam surface attached to the other of said frame members;
 - (3) a cable in erconnecting the other end of said spring and said other of said frame members and engaging said cam surface, said cam surface configured to provide a large effective radius when said movable frame is in the vertical load position, and a small effective radius when said movable frame is in its horizontal load position.

Compl. specn. 17 pages.

Drgs. 2 sheets.

OPPOSITION PROCEEDINGS

(1)

The opposition entered by the National Research Development Corporation of India to grant of a Patent on the applica-tion for Patent No. 153057, as notified in the Gazette of India, Part-III, Section 2 dated the 12th January, 1985 has been dis-missed and a patent has been ordered to be sealed on the application.

(2)

The opposition entered by M/s. Anup Engineering Ltd. to the giant of a Patint on the application for Patent No. 146916 made by Bharat Heavy Flectricals Itd., as notified in Gazette of Incia, Part-III. Section 2 dated 9th October, 1982 has been allowed and the grant of a patent on the application has been refused.

CLAIM UNDER SECTION 20(1)

(1)

In pursuance of leave granted under section 20(1) of the Pater's Act, 1970, application No. 155880 (214 Del. 81) has been allowed to proceed in the name of British Aerospace PLC".

(2)

In pursuance of leave granted under section 20(1) of the Patents Act. 1970, application No. 155879 (213 Del. 81) has been allowed to proceed in the name of "British Aerospace PLC".

PATENTS SEALED

152985 153009 153012 153032 153037 153038 153039 153040 153041 153044 153046 153048 153049 153050 153053 153054 153056 153058 153060 153062 153063 153069 153079 153080 153081 153082 153083 153084 153086

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that British Steel Corporation, a British Corporation incorporated and existing under the Iron and Steel Act 1967. of 33 Grosvenor Place, London SWIX 7JG, England, have made an application under Section 57 of

the Patents Act, 1970 for amendment of specification of their Patent application No. 155690 for "An apparatu, for the a Patent application No. 155690 for "An apparatu, for the amethod of continuous easing of metal strip and farm ting the Strip in o suitible size." The arrendance and the exposed amendments can be inspected free of charge at his west office 214, Acharya Jagadish Eose Read, Calcium to the or copies of the same can be hid on rayment of the dutil copying charges. Any person interest d in the or the date of this notineation at the Pater Office. Calcium, the date of this notineation at the Pater Office, Calcium, the written statement of epposition is not blow with the notice of filling the said notice. of filing the said notice.

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Paients Act, 1970 for the restoration of Patent No. 134437 granted to Ha bans Lal Mainotra and Sons Pvt. Limited now altered to Harbans Lal Mainotra & Sons Limited for an invention relating to "razor blades".

The patent ceased on the 30th April, 1983 due to nonpayment of tenewal f.es. atlan the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 8th September, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 23rd May 1985 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases he case and the residue to the facts upon which he bases he case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 138483 granted to Harbans Lal Malhotia & Sons Private Limited now altered to Harbans Lal Malhotia & Sons Limittd for an invention relating to "Blades dispenser".

The ratent ceased on the 26th April, 1983 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Pait-III, Section 2, dated the 8th September, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 23rd May 1985 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases is a case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

RENEWAL FEES PAID

125525 125601 125656 134297 134342 134778 134825 134840 134889 134890 135246 136553 137172 137561 137564 137902 137990 138331 138368 138377 138550 138585 138657 139237 139245 139272 139273 140449 140967 141160 141332 141347 141733 141864 142049 142145 143315 143570 143709 143874 144099 144216 144513 144541 144565 144715 144746 144900 145043 145260 145398 145402 145476 145590 14.5622 : 45689 145821 146992 147189 147198 147202 147383 147889 148118 148182 148586 149221 149358 149385 149509 149673 149682 149954 149976 150010 150067 150096 150127 150531 150553 150737 150999 151030 151048 151278 151540 152208 152346 152425 152706 152808 152819 152821 152830 152916 152933 152938 152945

REGISTRATION OF DESIGNS

The following designs have been registered. They are not compact on for a period of two years from the date of time to a except as provided for in Section 50 of the Designs Act, the in

- This is the shown in the each entry is the date of registration of the classification method in the entry.
- Class 1. No. 154992 & 154993. Niky Tasha (India) Pvt. £13. of Mahaian House, E 1 & 2, N.D.S.E., Part II, New D in 110049. "Kerosette Burner". 25th October. 1984.
- Class 1, No. 154413. Globe Supar Parts, 14/1, Mathura Road, P.O. Amarnagar, Faridabad, Haryana, India, Indian Company. "Gas Burner". May 16, 1984.

- Class 1. No. 154439. Vijay Steel & Metal Works. 98, Kamal Market, New Delhi, Indian Partnership Firm. "Grill of Room Cooler." May 23, 1984.
- Class 1. No. 154258. Liyakat Ali, D-1, Seelampur, Nai Basti, Delhi-110053, Indian National. "Cooler Grill". Arril 4, 1984.
- Class 3. No. 154556. Sharpedge Limited, Indian Company, 34, Okhla Industrial Estate, New Delhi-110020. "Shaving Razor". June 28, 1984.

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks